CUSTOMER SHARISM

SPECIFICATION FOR APPROVAL
AC/DC ADAPTOR

CUSTOMER SPEC:INPUT: 100-240V AC 50/60Hz OUTPUT: 5.0VDC 2000mA

CUSTOMER DWG./PART NO.

Ktec PART NO. KSAS0100500200D5(PAHS, REACH)

SAMPLE NO: S54878 REV.: A ISSUE DATE: 2011-06-20

PRODUCT NO: KS032940

Unit Color: Black ☑ White ☐

APPROVED SIGNATURES/客户确认		
核准/APPROVED BY	审核/ CHECKED BY:	检测/TESTED BY:

Manufacturer/制造商			
业务/SALES	品管/QE	核准/APPROVED BY	制样/DESIGNED BY
卢小春	周松平	宋军	毛银娥

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Http://www.globalsources.com/kuantech.com

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Project Modify List

Item	Content	Rev.	Date	Designed By	Checked By
1	First REV.	A	2011-06-20	QIUSHUYING	ZHUMINGSHUANG
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22					
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1 GENERAL 4
1.1 Description 4
2 INPUT REQUIREMENTS 4
2.1 Input Conditions 4
2.2 AC Inrush Current 4
3 OUTPUT REQUIREMENTS 4
4 MECHANICAL 5
4.1 Enclosure And Layout 5
4.2 Input and Output Configuration 5
5 REGULATORY COMPLIANCE 6
5.1 Safety Requirements and Certification 6
5.1.1 Regulatory Standard 6
5.1.2 Additional Safety Requirements 6
6 ENVIRONMENTAL REQUIREMENTS 6
6.1 Temperature 6
6.2 Humidity 6
7 APPEARANCE DRAWING: (Unit: mm) 7
8 NAME PLATE: 8
9 DIMENSION OF OUTPUT PLUG & DC CORD (Unit: mm) 9

1 GENERAL

1.1 Description

This specification defines the performance characteristics for a class Ⅱ adapter., single-phase **10** watts. Single output level power supply.

- Simple design philosophy.
- Overload Latch-Off protection during either (a) specified power threshold requirements or (b) short circuit condition.
- Reliability level of 50K hours MTBF @ 25° C(rated input voltage, and using the BELLCORE SR-332 method).
- DC output voltage must be Safe Extra Low Voltage (SELV) & Limited Power as defined by IEC60950-1.

The maximum room ambient temperature (T_{mra}), as mentioned in clause 1.4.12 of IEC60950-1, for the external power supply is **40 °C.**

• Cooling: natural convection.

2 INPUT REQUIREMENTS

2.1 Input Conditions

The Supply shall operate over the voltage ranges as follows:

Rated input voltage	**100-240Vac**
Operating range	**90-264Vac**
Rated input frequency	**50/60Hz +/- 3Hz**
Rated input current	**0.4A max.**
Maximum input power	**13.62W**
Input current (no loading)	**≤20mA**
Power consumption (no loading)	**Max. 0.3W**
Primary current protection	An adequate internal fuse on the AC input line is provide.
Configuration	**2** Conductor

2.2 AC Inrush Current

Peak inrush current shall be limited to **60A** for a cold start. Under both cold & warm start conditions, there shall be no immediate damage or long term impact on the reliability of the Supply. The conformance test for this requirement shall be performed at +12.5% of the rated input voltage. Voltage and current waveforms will be observed on an oscilloscope following closure of the external power switch. Switch closure will be repeated until the waveforms show closure coincident with a voltage peak. The current measured during this occurrence will be defined as the peak inrush current.

3 OUTPUT REQUIREMENTS

3.1	Nominal dc output voltage	**+5.0V**
3.2	Minimum load current	**0.01A**
3.3	Rating load current	**2.0A**

3.4	Peak load current	/
3.5	Rating output power	**10W**
3.6	Line regulation	The line regulation is less than **±5%** while measuring at rated load and +/-10% of input voltage changing.
3.7	Load regulation	The load regulation for **+5.0V** is less than **±5%**, at measured output load from 10% to 100% rated load .
3.8	Peak load regulation	The peak load regulation for **+5.0V** is less than **/**, at measured output load from 30% to 100% rated load.
3.9	Ripple and noise	**100 mVp-p**
		Add 0.1uF/50V ceramic capacitor and 10uF/50V aluminum electrolytic capacitor across the output terminal. Measured with 20MHz Bandwidth Oscilloscope.
3.10	Switching efficiency	**73.4%** minimum
		115V/60Hz and 230V/50Hz, output current from 100%, 75%, 50%, 25%
3.11	Turn on delay time	**3000 mS** At nominal input AC voltage and full load
3.12	Rise time	The Supply shall have a start-up rise time of less than **20mS** to rise to within regulation limits for all DC outputs.
3.13	Hold up time	**10 mS** minimum At nominal input AC voltage and full load
3.14	Output over-shoot	Less than **7%** of nominal voltage value
3.15	Temperature coefficient	Output voltage temperature coefficient ±0.05%/℃
3.16	LED indication function	/
3.17	Protection function	
	Short-circuit protection	The adapter shall **not damage and with auto recovery function** by short the DC output to Ground.
	Over current protection	The output shall be protected against the over current conditions. A power cycle shall be required to restore normal operation.

4 MECHANICAL

4.1 Enclosure And Layout

Plastic case: **UL94V-1**
Weight : **110 g** (Max.)
Dimensions: **72x36*38 mm**
Colour : **BLACK(PAHS, REACH)**

4.2 Input and Output Configuration

Input pin: **International PIN**
Output connector : dc plug type: **5.5*2.1*11mm "L"**
Polarity: **Center:"+"**

Cable: **2.5M VW-1 80℃ 300V 2468 20AWG 2C BLACK+WHITE(PAHS, REACH)**

5 REGULATORY COMPLIANCE

5.1 Safety Requirements and Certification

5.1.1 Regulatory Standard

The power supply shall complied the following international regulatory standards

for short	Country	Certified Status	Standard/标准
UL	USA/美国	Meet	UL 60950-1
CSA	Canada/加拿大	Meet	CSA C22.2 NO.950
TUV	Europe/欧洲	Meet	TUV/VDE-EN60950-1
CE	Europe/欧洲	Meet	Declared& CE Mark
PSE	Japan/日本	Meet	J60950(H19)/J55001(H14)
BSMI	Taiwan/台湾	/	CNS13438
CCC	CHINA	Meet	GB4943-2001
UK	Britain/英国	Meet	BS EN60950-1/A11:2009

5.1.2 Additional Safety Requirements

◎ Dielectric Withstand Voltage, Primary(input AC short)-to-Secondary(output DC short): **3000 Vac, 5m A, 1 minute**.

◎ Insulation Resistance, Input to output: **10M Ω(MIN.) at 500 VDC**.

◎ Reinforced insulation system, Primary-to-Ground and Primary-to-Secondary.

◎ The leakage current shall not exceed **0.25mA**.

6 ENVIRONMENTAL REQUIREMENTS

6.1 Temperature

◎ Operating: **0 °C +40 °C**

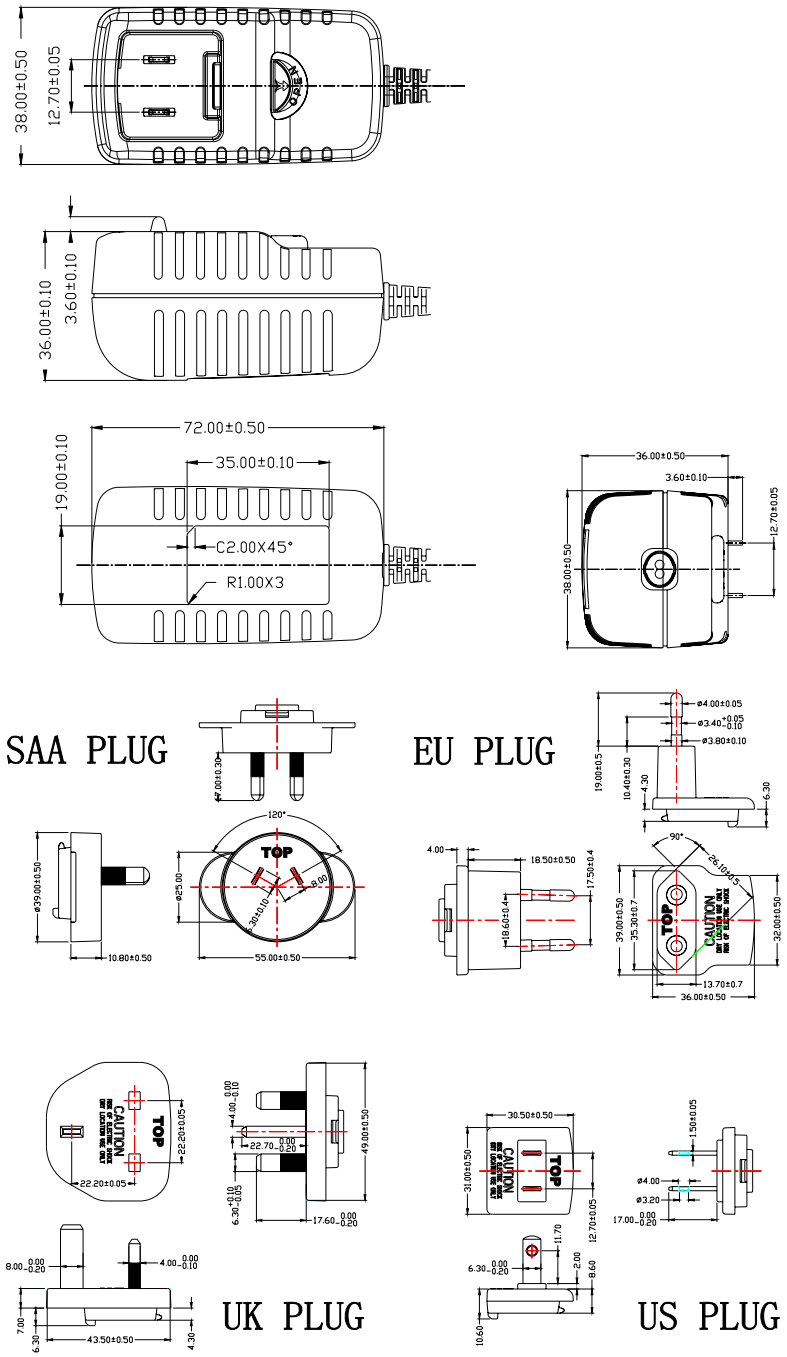
◎ Non-Operating: **-20 °C +80 °C**

6.2 Humidity

◎ Operating: 10%~90% (Non Condensing)

◎ Non-Operating: 10%~90% (Non Condensing)

7 APPEARANCE DRAWING: (Unit: mm)



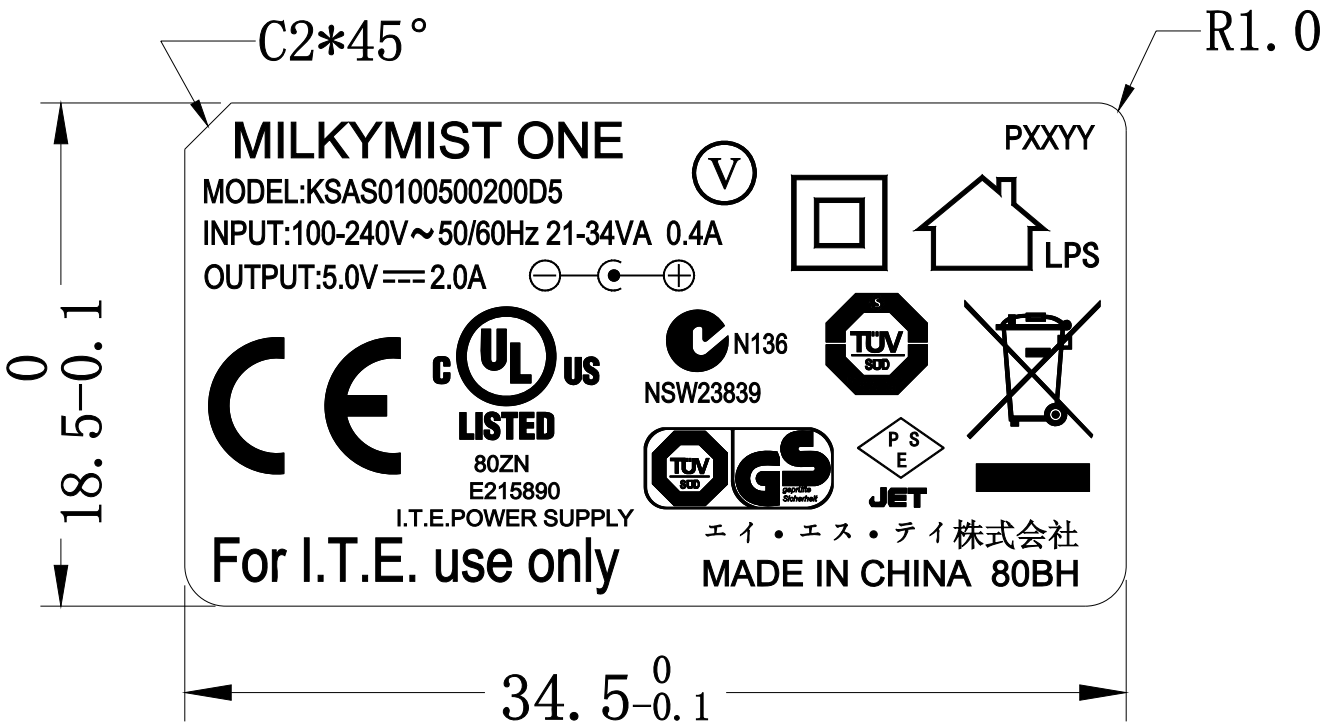
NOTE: 1. Case cover & chassis material:

SE-1/SE-100 (UL94V-1) BLACK (NO KTEC)

2. AC PIN MATERIAL: BRASS (NI PLATED)

3. PAHS, REACH

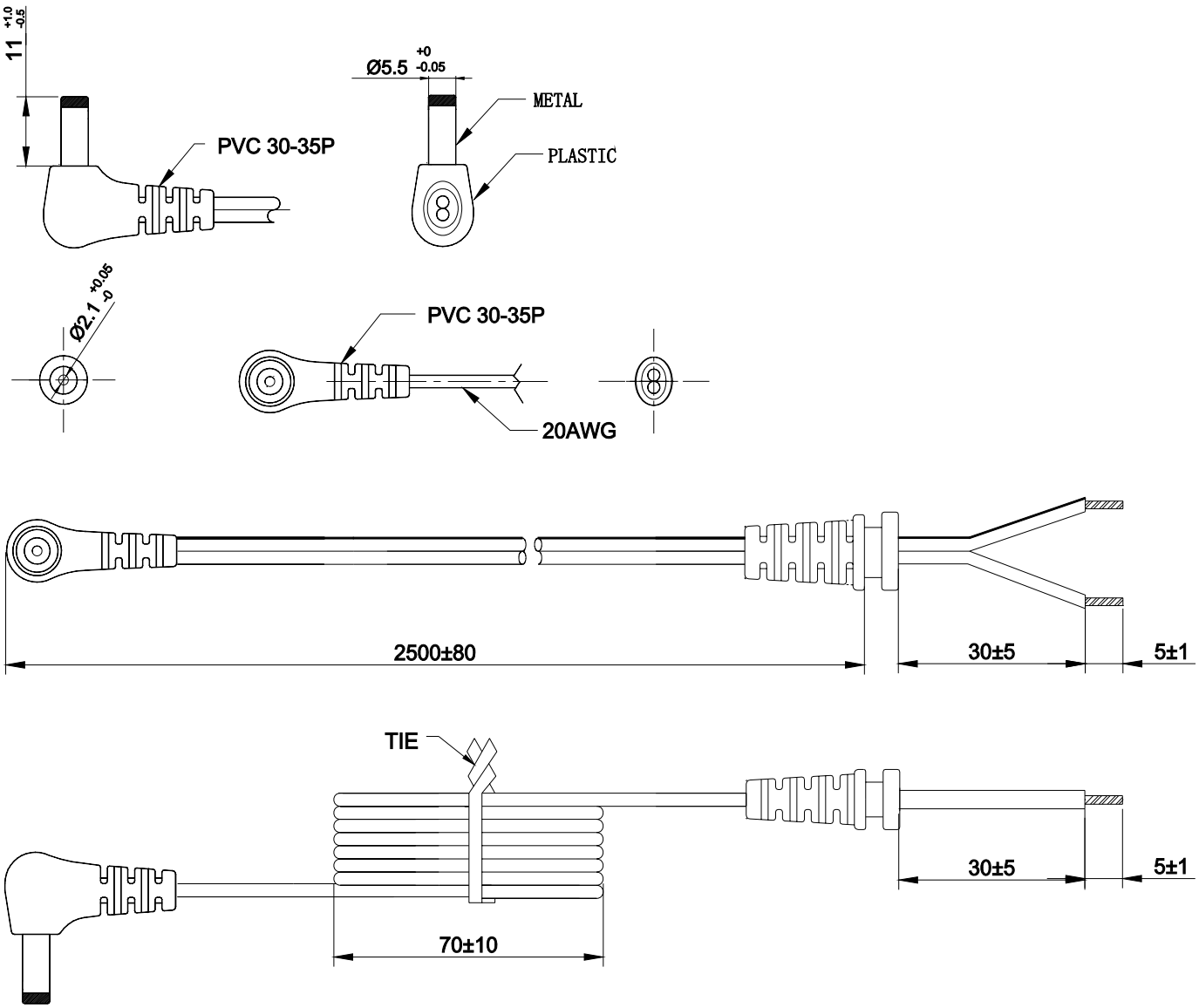
8 NAME PLATE:



Note: 1. ☐ **MATERIAL: POLYESTER+PVC; COATING: 0.25+-0.05mm**
White characters, Black background
PAHS, REACH

2. ☑ **Laser 镭射**
Date code (PXXYY: P=PAHS, XX=Week, YY=Year) 按实际生产日期

9 DIMENSION OF OUTPUT PLUG & DC CORD (Unit: mm)



NOTE: (unit:mm)

1).WIRE TYPE:VW-1 80°C 300V L=2500mm 2468 20AWG 2C BLACK+WHITE
BLACK AND WHITE----Positive BLACK----Negative

2).THE POLARITY: ⊖—◐—⊕

3). PAHS, REACH

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KUANTECH (SHEN ZHEN) CO., LTD

冠德科技(深圳)有限公司

RoHS Specification

1. Except for the specific applications of lead specifically listed in section figure II, all materials, parts, components, and/or products and accessories may not contain RoHS restricted substances as a homogenous material greater than:

(1) Lead (Pb): in quantity limit of 0.1% by weight or 1000 PPM.

(2) Mercury (Hg): in quantity limit of 0.1% by weight or 1000 PPM.

(3) Hexavalent Chromium (Cr^{6+}): in quantity limit of 0.1% by weight or 1000 PPM.

(4) Poly Brominated Biphenyls (PBB): in quantity limit of 0.1% by weight or 1000 PPM.

(5) Poly Brominated Diphenyl Ethers (PBDE): in quantity limit of 0.1% by weight or 1000 PPM.

(6) Cadmium (Cd): in quantity limit of 0.01% by weight or 100 PPM.

II. The materials, parts, components, and/or products and accessories must meet the specification listed in section Figure 1, General Compliance as applicable except for the following application specific examples listed below. This is not intended to be a comprehensive list. For a comprehensive list, please see European Union's Directive 2002/95/EC, Restriction of Hazardous Substance:Annex of 4(1). "Applications of Lead,Mercury,and Cadmium,and Hexavalent Chromium which are exempt from the requirements".

(a) Leaded glass used in cathode ray tubes, electronic components, and fluorescent tubes.

(b) Lead (Pb) in steel (0.35% or 3500 PPM), aluminum alloys (0.4% or 4000PPM), or copper alloys (including bronzes, brasses, 4.0% or 40,000 PPM).

(c) Lead (Pb) in high melting temperature type solders (e.g. tin-lead solder alloys containing more than 8.5% lead).

(d) Lead (Pb) in electronic ceramic parts (e.g. piezioelectric devices).

Approved By: Derek Zhou Checkde By: Sang Prepared By: chen

KUANTECH (SHEN ZHEN) CO., LTD

KTEC
External Power Supply Efficiency

Manufacturer:	KUANTECH (BEI HAI) CO., LTD		
Model No.:	KSAS0100500200D5 S54878	**Cord Length (cm):**	250
DC Cable Description:	2468 VW-1 22AWG 300V 80℃ Black and White (Lead Free)		

Enter Applicable Nameplate Information

Rated AC Input Voltage	100-240	VAC
Rated Input Power		W
Rated AC Input Current	0.4	A
Rated Input Volt-Amperes		VA
Rated Input AC Frequency	50-60	Hz
Rated Output Voltage	5	V
Rated Output Current	2000	mA
Input and Output Method	AC/DC	
Efficiency Level Mark	V	
Manufactured Date	2011-6-20	

MEPS High Efficiency Products - Performance mark V

Minimum Average Efficiency in Active Mode: Low Voltage Models

0 to ⩽ 1 watt	⩾ 0.497*Nameplate Output+0.067
> 1 to ⩽ 49 watts	⩾ 0.075 * Ln (Nameplate Output)+ 0.561
> 49 to ⩽ 250 watts	⩾ 0.86

Minimum Average Efficiency in Active Mode: Standard Models

0 to ⩽ 1 watt	⩾ 0.480*Nameplate Output+0.140
> 1 to ⩽ 49 watts	⩾ 0.0626 * Ln (Nameplate Output)+ 0.622
> 49 to ⩽ 250 watts	⩾ 0.87

Maximum Energy Consumption in No Load Mode:

AC-DC	0 to <50W, 0.3W	50W to ≤250W, 0.5W
AC-AC	0 to <50W, N/A	50W to ≤250W, N/A

Test Method: EPA Test Method for Calculating the Energy Efficiency of Single-Voltage External Ac-Dc and Ac-Ac Power Supplies - August 11, 2004

Effective Date: Manufactured On or After 4/1/2010

MEPS V Standards for This Power Supply

Rated Output Power (Voltage * Current):	10.00 W	
Maximum Energy Consumption - No Load:	0.3 W	
Minimum Average Efficiency in Active Mode:	0.734	73.4%

230 VAC / 50 Hz External Power Supply Results Summary

	Sample #1	Sample #2	Sample #3	Average
100% Load Efficiency	72.52%	72.41%	72.63%	72.5%
75% Load Efficiency	74.69%	73.86%	74.54%	74.4%
50% Load Efficiency	75.73%	75.49%	75.42%	75.5%
25% Load Efficiency	75.90%	75.45%	75.37%	75.6%
Average Active Mode Efficiency	74.7%	74.3%	74.5%	74.5%
No Load Input Power (W)	0.10	0.10	0.10	0.10

This Power Supply Meets Level V Efficiency Standards At 230VAC / 50Hz

Test Lab:	KUANTECH LAB	Date:	2011-6-20
Technician:	WEN ZHAO LAN		1.0

KTEC
External Power Supply Efficiency

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External Power Supply Efficiency

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External Power Supply Efficiency

Sample #1 Test Results - 230 VAC / 50 Hz

Output Measurements			AC Input Measurements		
Load Condition #1: 100%					
Set Output Current to	2000	mA	Measured Input Power	13.10	W
Min Output Current	1960	mA	Measured Input Voltage	230	VAC
Max Output Current	2040	mA	Measured Frequency	50	Hz
			True Power Factor	0.459	
Measured Output Current	2000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.75	V	Calculated Power Consumed	3.60	W
Calculated Output Power	9.50	W	Calculated Efficiency (Ouput/Input)	**72.52%**	
Load Condition #2: 75%					
Set Output Current to	1500	mA	Measured Input Power	9.74	W
Min Output Current	1460	mA	Measured Input Voltage	230	VAC
Max Output Current	1540	mA	Measured Frequency	50	Hz
			True Power Factor	0.441	
Measured Output Current	1500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.85	V	Calculated Power Consumed	2.47	W
Calculated Output Power	7.28	W	Calculated Efficiency (Ouput/Input)	**74.69%**	
Load Condition #3: 50%					
Set Output Current to	1000	mA	Measured Input Power	6.55	W
Min Output Current	960	mA	Measured Input Voltage	230	VAC
Max Output Current	1040	mA	Measured Frequency	50	Hz
			True Power Factor	0.422	
Measured Output Current	1000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.96	V	Calculated Power Consumed	1.59	W
Calculated Output Power	4.96	W	Calculated Efficiency (Ouput/Input)	**75.73%**	
Load Condition #4: 25%					
Set Output Current to	500	mA	Measured Input Power	3.34	W
Min Output Current	460	mA	Measured Input Voltage	230	VAC
Max Output Current	540	mA	Measured Frequency	50	Hz
			True Power Factor	0.388	
Measured Output Current	500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	5.07	V	Calculated Power Consumed	0.81	W
Calculated Output Power	2.54	W	Calculated Efficiency (Ouput/Input)	**75.90%**	
			Average Active Mode Efficiency:	**74.7%**	

Sample #1 Meets The Level V Active Efficiency Standard

Load condition #5: No Load	AC Input Measurements		
	Measured Input Power	0.10	W
Set the Output to No Load	Measured Input Voltage	230	VAC
	Measured Frequency	50	Hz
	True Power Factor	0.255	
	Total Harmonic Distortion (THD)		%

Sample #1 Meets The Level V No Load Standard

Sample #2 Test Results - 230 VAC / 50 Hz

Output Measurements			AC Input Measurements		
Load Condition #1: 100%					
Set Output Current to	2000	mA	Measured Input Power	13.12	W
Min Output Current	1960	mA	Measured Input Voltage	230	VAC
Max Output Current	2040	mA	Measured Frequency	50	Hz
			True Power Factor	0.458	
Measured Output Current	2000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.75	V	Calculated Power Consumed	3.62	W
Calculated Output Power	9.50	W	Calculated Efficiency (Ouput/Input)	**72.41%**	
Load Condition #2: 75%					
Set Output Current to	1500	mA	Measured Input Power	9.85	W
Min Output Current	1460	mA	Measured Input Voltage	230	VAC
Max Output Current	1540	mA	Measured Frequency	60	Hz
			True Power Factor	0.440	
Measured Output Current	1500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.85	V	Calculated Power Consumed	2.58	W
Calculated Output Power	7.28	W	Calculated Efficiency (Ouput/Input)	**73.86%**	
Load Condition #3: 50%					
Set Output Current to	1000	mA	Measured Input Power	6.57	W
Min Output Current	960	mA	Measured Input Voltage	230	VAC
Max Output Current	1040	mA	Measured Frequency	50	Hz
			True Power Factor	0.422	
Measured Output Current	1000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.96	V	Calculated Power Consumed	1.61	W
Calculated Output Power	4.96	W	Calculated Efficiency (Ouput/Input)	**75.49%**	
Load Condition #4: 25%					
Set Output Current to	500	mA	Measured Input Power	3.36	W
Min Output Current	460	mA	Measured Input Voltage	230	VAC
Max Output Current	540	mA	Measured Frequency	50	Hz
			True Power Factor	0.388	
Measured Output Current	500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	5.07	V	Calculated Power Consumed	0.83	W
Calculated Output Power	2.54	W	Calculated Efficiency (Ouput/Input)	**75.45%**	
			Average Active Mode Efficiency:	**74.3%**	

Sample #2 Meets The Level V Active Efficiency Standard

Load condition #5: No Load	AC Input Measurements		
	Measured Input Power	0.10	W
Set the Output to No Load	Measured Input Voltage	230	VAC
	Measured Frequency	50	Hz
	True Power Factor	0.257	
	Total Harmonic Distortion (THD)		%

Sample #2 Meets The Level V No Load Standard

Sample #3 Test Results - 230 VAC / 50 Hz

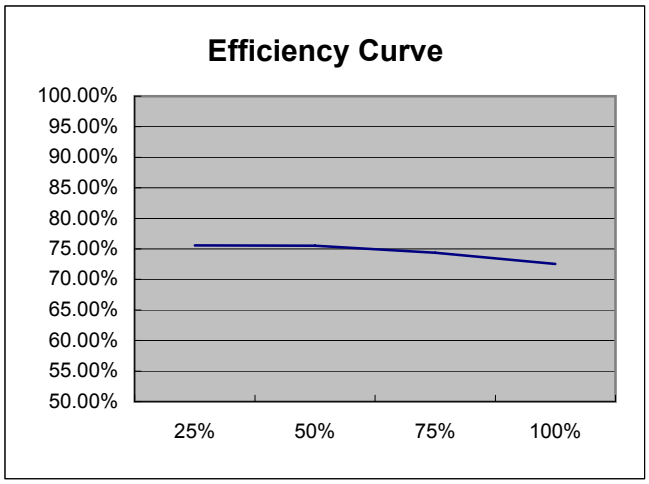
Output Measurements			AC Input Measurements		
Load Condition #1: 100%					
Set Output Current to	2000	mA	Measured Input Power	13.08	W
Min Output Current	1960	mA	Measured Input Voltage	230	VAC
Max Output Current	2040	mA	Measured Frequency	50	Hz
			True Power Factor	0.458	
Measured Output Current	2000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.75	V	Calculated Power Consumed	3.58	W
Calculated Output Power	9.50	W	Calculated Efficiency (Ouput/Input)	**72.63%**	
Load Condition #2: 75%					
Set Output Current to	1500	mA	Measured Input Power	9.78	W
Min Output Current	1460	mA	Measured Input Voltage	230	VAC
Max Output Current	1540	mA	Measured Frequency	50	Hz
			True Power Factor	0.440	
Measured Output Current	1500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.86	V	Calculated Power Consumed	2.49	W
Calculated Output Power	7.29	W	Calculated Efficiency (Ouput/Input)	**74.54%**	
Load Condition #3: 50%					
Set Output Current to	1000	mA	Measured Input Power	6.59	W
Min Output Current	960	mA	Measured Input Voltage	230	VAC
Max Output Current	1040	mA	Measured Frequency	50	Hz
			True Power Factor	0.422	
Measured Output Current	1000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.97	V	Calculated Power Consumed	1.62	W
Calculated Output Power	4.97	W	Calculated Efficiency (Ouput/Input)	**75.42%**	
Load Condition #4: 25%					
Set Output Current to	500	mA	Measured Input Power	3.37	W
Min Output Current	460	mA	Measured Input Voltage	115	VAC
Max Output Current	540	mA	Measured Frequency	50	Hz
			True Power Factor	0.389	
Measured Output Current	500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	5.08	V	Calculated Power Consumed	0.83	W
Calculated Output Power	2.54	W	Calculated Efficiency (Ouput/Input)	**75.37%**	
			Average Active Mode Efficiency:	**74.5%**	

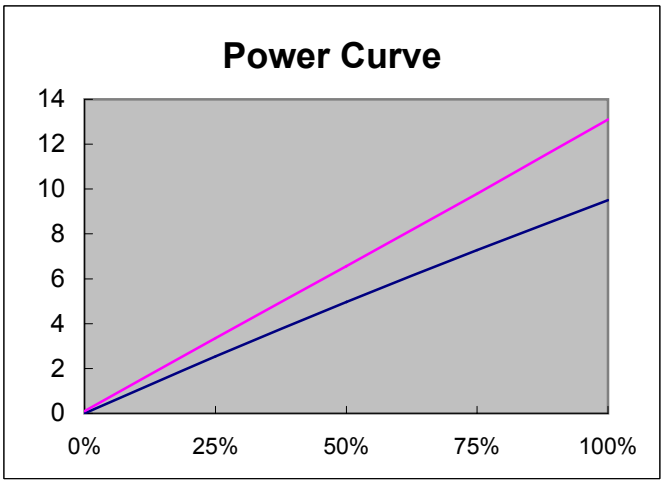
Sample #3 Meets The Level V Active Efficiency Standard

Load condition #5: No Load	AC Input Measurements		
	Measured Input Power	0.10	W
Set the Output to No Load	Measured Input Voltage	230	VAC
	Measured Frequency	50	Hz
	True Power Factor	0.257	
	Total Harmonic Distortion (THD)		%

Sample #3 Meets The Level V No Load Standard

KTEC
Power and Efficiency Curve





地址：广东省深圳市光明新区公明街道第二工业区风景中路6号 518106
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HTTP:www.twktec.com

KTEC
External Power Supply Efficiency

Manufacturer: KUANTECH (BEIHAI) CO., LTD
Model No.: KSAS0100500200D5 S54878 **Cord Length (cm):** 250
DC Cable Description: 2468 VW-1 22AWG 300V 80℃ Black and White (Lead Free)

Enter Applicable Nameplate Information

Rated AC Input Voltage	100-240	VAC
Rated Input Power		W
Rated AC Input Current	0.4	A
Rated Input Volt-Amperes		VA
Rated Input AC Frequency	50-60	Hz
Rated Output Voltage	5	V
Rated Output Current	2000	mA
Input and Output Method	AC/DC	
Efficiency Level Mark	V	
Manufactured Date	2011-6-20	

MEPS High Efficiency Products - Performance mark V

Minimum Average Efficiency in Active Mode:Low Voltage Models

0 to ⩽ 1 watt	⩾ 0.497*Nameplate Output+0.067
> 1 to ⩽ 49 watts	⩾ 0.075 * Ln (Nameplate Output)+ 0.561
> 49 to ⩽ 250 watts	⩾ 0.86

Minimum Average Efficiency in Active Mode:Standard Models

0 to ⩽ 1 watt	⩾ 0.480*Nameplate Output+0.140
> 1 to ⩽ 49 watts	⩾ 0.0626 * Ln (Nameplate Output)+ 0.622
> 49 to ⩽ 250 watts	⩾ 0.87

Maximum Energy Consumption in No Load Mode:

AC-DC	0 to <50W, 0.3W	50W to ≤250W, 0.5W
AC-AC	0 to <50W, N/A	50W to ≤250W, N/A

Test Method: EPA Test Method for Calculating the Energy Efficiency of Single-Voltage External Ac-Dc and Ac-Ac Power Supplies - August 11, 2004
Effective Date: Manufactured On or After 4/1/2010

MEPS V Standards for This Power Supply

Rated Output Power (Voltage * Current):	10.00 W	
Maximum Energy Consumption - No Load:	0.3 W	
Minimum Average Efficiency in Active Mode:	0.734	73.4%

115 VAC / 60 Hz External Power Supply Results Summary

	Sample #1	Sample #2	Sample #3	Average
100% Load Efficiency	72.63%	72.91%	72.69%	72.7%
75% Load Efficiency	75.47%	75.63%	76.34%	75.8%
50% Load Efficiency	76.90%	77.29%	76.82%	77.0%
25% Load Efficiency	78.73%	78.73%	78.15%	78.5%
Average Active Mode Efficiency	75.9%	76.1%	76.0%	76.0%
No Load Input Power (W)	0.05	0.05	0.05	0.05

This Power Supply Meets Level V Efficiency Standards At 115VAC / 60Hz

Test Lab: KUANTECHLAB Date: 2011-6-20
Technician: WEN ZHAO LAN 1.0

Sample #1 Test Results - 115 VAC / 60 Hz

Output Measurements			AC Input Measurements		
Load Condition #1: 100%					
Set Output Current to	2000	mA	Measured Input Power	13.08	W
Min Output Current	1960	mA	Measured Input Voltage	115	VAC
Max Output Current	2040	mA	Measured Frequency	60	Hz
			True Power Factor	0.576	
Measured Output Current	2000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.75	V	Calculated Power Consumed	3.58	W
Calculated Output Power	9.50	W	Calculated Efficiency (Ouput/Input)	**72.63%**	
Load Condition #2: 75%					
Set Output Current to	1500	mA	Measured Input Power	9.64	W
Min Output Current	1460	mA	Measured Input Voltage	115	VAC
Max Output Current	1540	mA	Measured Frequency	60	Hz
			True Power Factor	0.548	
Measured Output Current	1500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.85	V	Calculated Power Consumed	2.37	W
Calculated Output Power	7.28	W	Calculated Efficiency (Ouput/Input)	**75.47%**	
Load Condition #3: 50%					
Set Output Current to	1000	mA	Measured Input Power	6.45	W
Min Output Current	960	mA	Measured Input Voltage	115	VAC
Max Output Current	1040	mA	Measured Frequency	60	Hz
			True Power Factor	0.514	
Measured Output Current	1000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.96	V	Calculated Power Consumed	1.49	W
Calculated Output Power	4.96	W	Calculated Efficiency (Ouput/Input)	**76.90%**	
Load Condition #4: 25%					
Set Output Current to	500	mA	Measured Input Power	3.22	W
Min Output Current	460	mA	Measured Input Voltage	115	VAC
Max Output Current	540	mA	Measured Frequency	60	Hz
			True Power Factor	0.460	
Measured Output Current	500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	5.07	V	Calculated Power Consumed	0.69	W
Calculated Output Power	2.54	W	Calculated Efficiency (Ouput/Input)	**78.73%**	
			Average Active Mode Efficiency:	**75.9%**	

Sample #1 Meets The Level V Active Efficiency Standard

Load condition #5: No Load	AC Input Measurements		
	Measured Input Power	0.05	W
Set the Output to No Load	Measured Input Voltage	115	VAC
	Measured Frequency	60	Hz
	True Power Factor	0.267	
	Total Harmonic Distortion (THD)		%

Sample #1 Meets The Level V No Load Standard

Sample #2 Test Results - 115 VAC / 60 Hz

Output Measurements			AC Input Measurements		
Load Condition #1: 100%					
Set Output Current to	2000	mA	Measured Input Power	13.03	W
Min Output Current	1960	mA	Measured Input Voltage	115	VAC
Max Output Current	2040	mA	Measured Frequency	60	Hz
			True Power Factor	0.573	
Measured Output Current	2000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.75	V	Calculated Power Consumed	3.53	W
Calculated Output Power	9.50	W	Calculated Efficiency (Ouput/Input)	**72.91%**	
Load Condition #2: 75%					
Set Output Current to	1500	mA	Measured Input Power	9.60	W
Min Output Current	1460	mA	Measured Input Voltage	115	VAC
Max Output Current	1540	mA	Measured Frequency	60	Hz
			True Power Factor	0.544	
Measured Output Current	1500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.84	V	Calculated Power Consumed	2.34	W
Calculated Output Power	7.26	W	Calculated Efficiency (Ouput/Input)	**75.63%**	
Load Condition #3: 50%					
Set Output Current to	1000	mA	Measured Input Power	6.43	W
Min Output Current	960	mA	Measured Input Voltage	115	VAC
Max Output Current	1040	mA	Measured Frequency	60	Hz
			True Power Factor	0.511	
Measured Output Current	1000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.97	V	Calculated Power Consumed	1.46	W
Calculated Output Power	4.97	W	Calculated Efficiency (Ouput/Input)	**77.29%**	
Load Condition #4: 25%					
Set Output Current to	500	mA	Measured Input Power	3.22	W
Min Output Current	460	mA	Measured Input Voltage	115	VAC
Max Output Current	540	mA	Measured Frequency	60	Hz
			True Power Factor	0.457	
Measured Output Current	500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	5.07	V	Calculated Power Consumed	0.69	W
Calculated Output Power	2.54	W	Calculated Efficiency (Ouput/Input)	**78.73%**	
			Average Active Mode Efficiency:	**76.1%**	

Sample #2 Meets The Level V Active Efficiency Standard

Load condition #5: No Load	AC Input Measurements		
	Measured Input Power	0.05	W
Set the Output to No Load	Measured Input Voltage	115	VAC
	Measured Frequency	60	Hz
	True Power Factor	0.266	
	Total Harmonic Distortion (THD)		%

Sample #2 Meets The Level V No Load Standard

Sample #3 Test Results - 115 VAC / 60 Hz

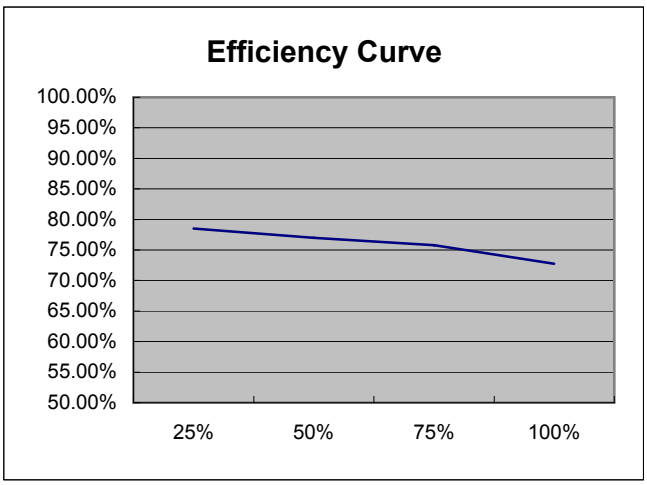
Output Measurements			AC Input Measurements		
Load Condition #1: 100%					
Set Output Current to	2000	mA	Measured Input Power	13.07	W
Min Output Current	1960	mA	Measured Input Voltage	115	VAC
Max Output Current	2040	mA	Measured Frequency	60	Hz
			True Power Factor	0.574	
Measured Output Current	2000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.75	V	Calculated Power Consumed	3.57	W
Calculated Output Power	9.50	W	Calculated Efficiency (Ouput/Input)	**72.69%**	
Load Condition #2: 75%					
Set Output Current to	1500	mA	Measured Input Power	9.55	W
Min Output Current	1460	mA	Measured Input Voltage	115	VAC
Max Output Current	1540	mA	Measured Frequency	60	Hz
			True Power Factor	0.545	
Measured Output Current	1500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.86	V	Calculated Power Consumed	2.26	W
Calculated Output Power	7.29	W	Calculated Efficiency (Ouput/Input)	**76.34%**	
Load Condition #3: 50%					
Set Output Current to	1000	mA	Measured Input Power	6.47	W
Min Output Current	960	mA	Measured Input Voltage	115	VAC
Max Output Current	1040	mA	Measured Frequency	60	Hz
			True Power Factor	0.512	
Measured Output Current	1000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.97	V	Calculated Power Consumed	1.50	W
Calculated Output Power	4.97	W	Calculated Efficiency (Ouput/Input)	**76.82%**	
Load Condition #4: 25%					
Set Output Current to	500	mA	Measured Input Power	3.25	W
Min Output Current	460	mA	Measured Input Voltage	115	VAC
Max Output Current	540	mA	Measured Frequency	60	Hz
			True Power Factor	0.457	
Measured Output Current	500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	5.08	V	Calculated Power Consumed	0.71	W
Calculated Output Power	2.54	W	Calculated Efficiency (Ouput/Input)	**78.15%**	
			Average Active Mode Efficiency:	**76.0%**	

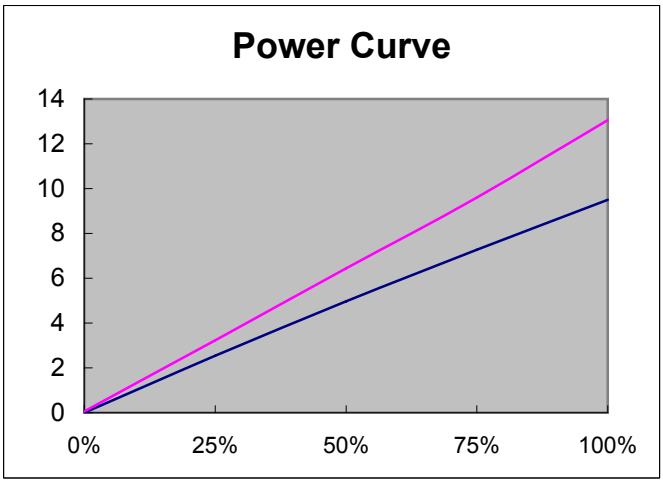
Sample #3 Meets The Level V Active Efficiency Standard

Load condition #5: No Load	AC Input Measurements		
	Measured Input Power	0.05	W
Set the Output to No Load	Measured Input Voltage	115	VAC
	Measured Frequency	60	Hz
	True Power Factor	0.272	
	Total Harmonic Distortion (THD)		%

Sample #3 Meets The Level V No Load Standard

KTEC
Power and Efficiency Curve





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HTTP:www.twktec.com

KTEC
External Power Supply Efficiency

Manufacturer:	KUANTECH (BEIHAI) CO., LTD		
Model No.:	KSAS0100500200D5 S54878	**Cord Length (cm):**	250
DC Cable Description:	2468 VW-1 22AWG 300V 80℃ Black and White (Lead Free)		

Enter Applicable Nameplate Information

Rated AC Input Voltage	100-240	VAC
Rated Input Power		W
Rated AC Input Current	0.4	A
Rated Input Volt-Amperes		VA
Rated Input AC Frequency	50-60	Hz
Rated Output Voltage	5	V
Rated Output Current	2000	mA
Input and Output Method	AC/DC	
Efficiency Level Mark	V	
Manufactured Date	2011-6-20	

Tested in compliance with commission regulation (EC) No 278/2009 implementing Directive 2009/125/EC

ErP TWO YEARS after this Regulation has come into force

Minimum Average Efficiency in Active Mode:Standard Models

0 to ⩽ 1 watt	⩾ 0.480 * Pno + 0.140
> 1 to ⩽ 51 watts	⩾ [0.063 * Ln (Pno)] + 0.622
> 51 watts	⩾ 0.870

Minimum Average Efficiency in Active Mode:Low Voltage Models

0 to ⩽ 1 watt	⩾ 0.497 * Pno + 0.067
> 1 to ⩽ 51 watts	⩾ [0.0750 * Ln (Pno)] + 0.561
> 51 watts	⩾ 0.860

Energy Consumption Criteria for No-Load:

Nameplate Output Power (Pno)	**AC-AC**	**AC-DC**
0 to ⩽51 watts	⩽ 0.5 watts	⩽ 0.3 watts
> 51 watts	⩽ 0.5 watts	⩽ 0.5 watts

Test Method: Test Method for Calculating the Energy Efficiency of Single-Voltage External Ac-Dc and Ac-Ac Power Supplies (August 11, 2004)

Effective Date: Manufactured On or After November 1, 2008

ErP TWO YEARS Standards for This Power Supply

Rated Output Power (Voltage * Current):	10.00 W	
Maximum Energy Consumption - No Load:	0.3 W	
Minimum Average Efficiency in Active Mode:	0.734	73.4%

230 VAC / 50 Hz External Power Supply Results Summary

	Sample #1	Sample #2	Sample #3	Average
100% Load Efficiency	72.52%	72.41%	72.63%	72.5%
75% Load Efficiency	74.69%	73.86%	74.54%	74.4%
50% Load Efficiency	75.73%	75.49%	75.42%	75.5%
25% Load Efficiency	75.90%	75.45%	75.37%	75.6%
Average Active Mode Efficiency	74.7%	74.3%	74.5%	74.5%
No Load Input Power (W)	0.10	0.10	0.10	0.10

This Power Supply Meets Level V Efficiency Standards At 230VAC / 50Hz

Test Lab:	KUANTECHLAB	Date:	2011-6-20
Technician:	WEN ZHAO LAN		1.0

Sample #1 Test Results - 230 VAC / 50 Hz

Output Measurements			AC Input Measurements		
Load Condition #1: 100%					
Set Output Current to	2000	mA	Measured Input Power	13.10	W
Min Output Current	1960	mA	Measured Input Voltage	230	VAC
Max Output Current	2040	mA	Measured Frequency	50	Hz
			True Power Factor	0.459	
Measured Output Current	2000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.75	V	Calculated Power Consumed	3.60	W
Calculated Output Power	9.50	W	Calculated Efficiency (Ouput/Input)	**72.52%**	
Load Condition #2: 75%					
Set Output Current to	1500	mA	Measured Input Power	9.74	W
Min Output Current	1460	mA	Measured Input Voltage	230	VAC
Max Output Current	1540	mA	Measured Frequency	50	Hz
			True Power Factor	0.441	
Measured Output Current	1500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.85	V	Calculated Power Consumed	2.47	W
Calculated Output Power	7.28	W	Calculated Efficiency (Ouput/Input)	**74.69%**	
Load Condition #3: 50%					
Set Output Current to	1000	mA	Measured Input Power	6.55	W
Min Output Current	960	mA	Measured Input Voltage	230	VAC
Max Output Current	1040	mA	Measured Frequency	50	Hz
			True Power Factor	0.422	
Measured Output Current	1000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.96	V	Calculated Power Consumed	1.59	W
Calculated Output Power	4.96	W	Calculated Efficiency (Ouput/Input)	**75.73%**	
Load Condition #4: 25%					
Set Output Current to	500	mA	Measured Input Power	3.34	W
Min Output Current	460	mA	Measured Input Voltage	230	VAC
Max Output Current	540	mA	Measured Frequency	50	Hz
			True Power Factor	0.388	
Measured Output Current	500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	5.07	V	Calculated Power Consumed	0.81	W
Calculated Output Power	2.54	W	Calculated Efficiency (Ouput/Input)	**75.90%**	
			Average Active Mode Efficiency:	**74.7%**	

Sample #1 Meets The Level V Active Efficiency Standard

Load condition #5: No Load	AC Input Measurements		
	Measured Input Power	0.10	W
Set the Output to No Load	Measured Input Voltage	230	VAC
	Measured Frequency	50	Hz
	True Power Factor	0.255	
	Total Harmonic Distortion (THD)		%

Sample #1 Meets The Level V No Load Standard

Sample #2 Test Results - 230 VAC / 50 Hz

Output Measurements			AC Input Measurements		
Load Condition #1: 100%					
Set Output Current to	2000	mA	Measured Input Power	13.12	W
Min Output Current	1960	mA	Measured Input Voltage	230	VAC
Max Output Current	2040	mA	Measured Frequency	50	Hz
			True Power Factor	0.458	
Measured Output Current	2000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.75	V	Calculated Power Consumed	3.62	W
Calculated Output Power	9.50	W	Calculated Efficiency (Ouput/Input)	**72.41%**	
Load Condition #2: 75%					
Set Output Current to	1500	mA	Measured Input Power	9.85	W
Min Output Current	1460	mA	Measured Input Voltage	230	VAC
Max Output Current	1540	mA	Measured Frequency	50	Hz
			True Power Factor	0.440	
Measured Output Current	1500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.85	V	Calculated Power Consumed	2.58	W
Calculated Output Power	7.28	W	Calculated Efficiency (Ouput/Input)	**73.86%**	
Load Condition #3: 50%					
Set Output Current to	1000	mA	Measured Input Power	6.57	W
Min Output Current	960	mA	Measured Input Voltage	230	VAC
Max Output Current	1040	mA	Measured Frequency	50	Hz
			True Power Factor	0.422	
Measured Output Current	1000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.96	V	Calculated Power Consumed	1.61	W
Calculated Output Power	4.96	W	Calculated Efficiency (Ouput/Input)	**75.49%**	
Load Condition #4: 25%					
Set Output Current to	500	mA	Measured Input Power	3.36	W
Min Output Current	460	mA	Measured Input Voltage	230	VAC
Max Output Current	540	mA	Measured Frequency	50	Hz
			True Power Factor	0.388	
Measured Output Current	500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	5.07	V	Calculated Power Consumed	0.83	W
Calculated Output Power	2.54	W	Calculated Efficiency (Ouput/Input)	**75.45%**	
			Average Active Mode Efficiency:	**74.3%**	

Sample #2 Meets The Level V Active Efficiency Standard

Load condition #5: No Load	AC Input Measurements		
	Measured Input Power	0.10	W
Set the Output to No Load	Measured Input Voltage	230	VAC
	Measured Frequency	50	Hz
	True Power Factor	0.257	
	Total Harmonic Distortion (THD)		%

Sample #2 Meets The Level V No Load Standard

Sample #3 Test Results - 230 VAC / 50 Hz

Output Measurements			AC Input Measurements		
Load Condition #1: 100%					
Set Output Current to	2000	mA	Measured Input Power	13.08	W
Min Output Current	1960	mA	Measured Input Voltage	230	VAC
Max Output Current	2040	mA	Measured Frequency	50	Hz
			True Power Factor	0.458	
Measured Output Current	2000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.75	V	Calculated Power Consumed	3.58	W
Calculated Output Power	9.50	W	Calculated Efficiency (Ouput/Input)	**72.63%**	
Load Condition #2: 75%					
Set Output Current to	1500	mA	Measured Input Power	9.78	W
Min Output Current	1460	mA	Measured Input Voltage	230	VAC
Max Output Current	1540	mA	Measured Frequency	50	Hz
			True Power Factor	0.440	
Measured Output Current	1500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.86	V	Calculated Power Consumed	2.49	W
Calculated Output Power	7.29	W	Calculated Efficiency (Ouput/Input)	**74.54%**	
Load Condition #3: 50%					
Set Output Current to	1000	mA	Measured Input Power	6.59	W
Min Output Current	960	mA	Measured Input Voltage	230	VAC
Max Output Current	1040	mA	Measured Frequency	50	Hz
			True Power Factor	0.422	
Measured Output Current	1000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.97	V	Calculated Power Consumed	1.62	W
Calculated Output Power	4.97	W	Calculated Efficiency (Ouput/Input)	**75.42%**	
Load Condition #4: 25%					
Set Output Current to	500	mA	Measured Input Power	3.37	W
Min Output Current	460	mA	Measured Input Voltage	230	VAC
Max Output Current	540	mA	Measured Frequency	50	Hz
			True Power Factor	0.389	
Measured Output Current	500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	5.08	V	Calculated Power Consumed	0.83	W
Calculated Output Power	2.54	W	Calculated Efficiency (Ouput/Input)	**75.37%**	
			Average Active Mode Efficiency:	**74.5%**	

Sample #3 Meets The Level V Active Efficiency Standard

Load condition #5: No Load	AC Input Measurements		
	Measured Input Power	0.10	W
Set the Output to No Load	Measured Input Voltage	230	VAC
	Measured Frequency	50	Hz
	True Power Factor	0.257	
	Total Harmonic Distortion (THD)		%

Sample #3 Meets The Level V No Load Standard

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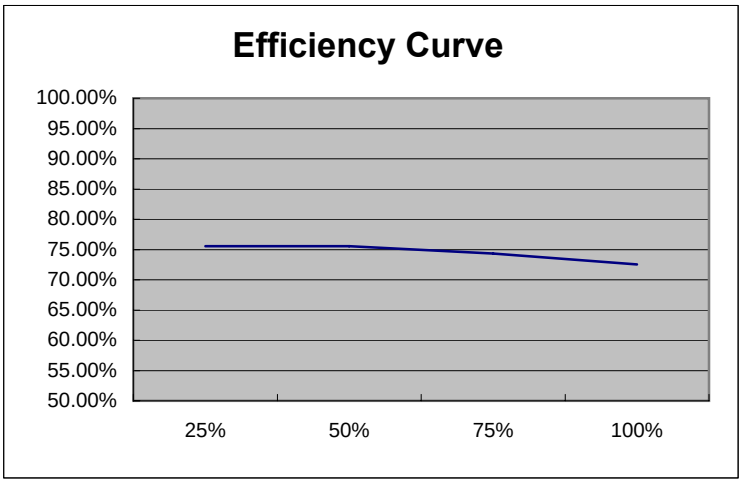
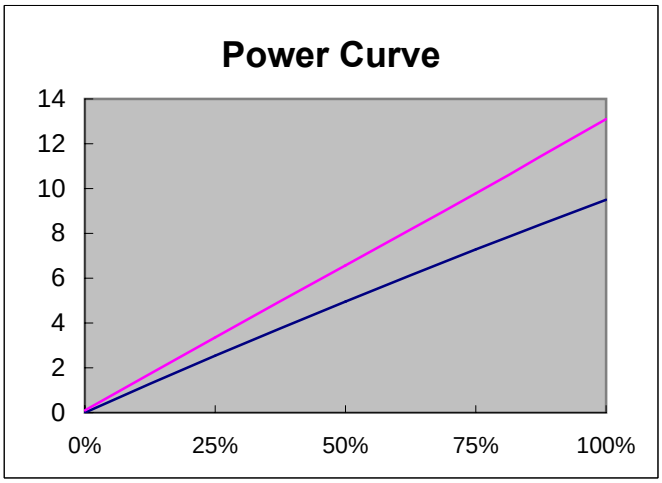
Power and Efficiency Curve





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HTTP:www.twktec.com

KTEC
External Power Supply Efficiency

Manufacturer:	KUANTECH (BEIHAI) CO., LTD		
Model No.:	KSAS0100500200D5 S54878	**Cord Length (cm):**	250
DC Cable Description:	2468 VW-1 22AWG 300V 80℃ Black and White (Lead Free)		

Enter Applicable Nameplate Information

Rated AC Input Voltage	100-240	VAC
Rated Input Power		W
Rated AC Input Current	0.4	A
Rated Input Volt-Amperes		VA
Rated Input AC Frequency	50-60	Hz
Rated Output Voltage	5	V
Rated Output Current	2000	mA
Input and Output Method	AC/DC	
Efficiency Level Mark	V	
Manufactured Date	2011-6-20	

Tested in compliance with commission regulation (EC) No 278/2009 implementing Directive 2009/125/EC

ErP TWO YEARS after this Regulation has come into force

Minimum Average Efficiency in Active Mode:Standard Models

0 to ⩽ 1 watt	⩾ 0.480 * Pno + 0.140
> 1 to ⩽ 51 watts	⩾ [0.063 * Ln (Pno)] + 0.622
> 51 watts	⩾ 0.870

Minimum Average Efficiency in Active Mode:Low Voltage Models

0 to ⩽ 1 watt	⩾ 0.497 * Pno + 0.067
> 1 to ⩽ 51 watts	⩾ [0.0750 * Ln (Pno)] + 0.561
> 51 watts	⩾ 0.860

Energy Consumption Criteria for No-Load:

Nameplate Output Power (Pno)	**AC-AC**	**AC-DC**
0 to ⩽51 watts	⩽ 0.5 watts	⩽ 0.3 watts
> 51 watts	⩽ 0.5 watts	⩽ 0.5 watts

Test Method: Test Method for Calculating the Energy Efficiency of Single-Voltage External Ac-Dc and Ac-Ac Power Supplies (August 11, 2004)

Effective Date: Manufactured On or After November 1, 2008

ErP TWO YEARS Standards for This Power Supply

Rated Output Power (Voltage * Current):	10.00 W	
Maximum Energy Consumption - No Load:	0.3 W	
Minimum Average Efficiency in Active Mode:	0.734	73.4%

115 VAC / 60 Hz External Power Supply Results Summary

	Sample #1	Sample #2	Sample #3	Average
100% Load Efficiency	72.63%	72.91%	72.69%	72.7%
75% Load Efficiency	75.47%	75.63%	76.34%	75.8%
50% Load Efficiency	76.90%	77.29%	76.82%	77.0%
25% Load Efficiency	78.73%	78.73%	78.15%	78.5%
Average Active Mode Efficiency	75.9%	76.1%	76.0%	76.0%
No Load Input Power (W)	0.05	0.05	0.05	0.05

This Power Supply Meets Level V Efficiency Standards At 115VAC / 60Hz

Test Lab:	KUANTECHLAB	Date:	2011-6-20
Technician:	WEN ZAO LAN		1.0

Sample #1 Test Results - 115 VAC / 60 Hz

Output Measurements			AC Input Measurements		
Load Condition #1: 100%					
Set Output Current to	2000	mA	Measured Input Power	13.08	W
Min Output Current	1960	mA	Measured Input Voltage	115	VAC
Max Output Current	2040	mA	Measured Frequency	60	Hz
			True Power Factor	0.576	
Measured Output Current	2000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.75	V	Calculated Power Consumed	3.58	W
Calculated Output Power	9.50	W	Calculated Efficiency (Ouput/Input)	**72.63%**	
Load Condition #2: 75%					
Set Output Current to	1500	mA	Measured Input Power	9.64	W
Min Output Current	1460	mA	Measured Input Voltage	115	VAC
Max Output Current	1540	mA	Measured Frequency	60	Hz
			True Power Factor	0.548	
Measured Output Current	1500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.85	V	Calculated Power Consumed	2.37	W
Calculated Output Power	7.28	W	Calculated Efficiency (Ouput/Input)	**75.47%**	
Load Condition #3: 50%					
Set Output Current to	1000	mA	Measured Input Power	6.45	W
Min Output Current	960	mA	Measured Input Voltage	115	VAC
Max Output Current	1040	mA	Measured Frequency	60	Hz
			True Power Factor	0.514	
Measured Output Current	1000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.96	V	Calculated Power Consumed	1.49	W
Calculated Output Power	4.96	W	Calculated Efficiency (Ouput/Input)	**76.90%**	
Load Condition #4: 25%					
Set Output Current to	500	mA	Measured Input Power	3.22	W
Min Output Current	460	mA	Measured Input Voltage	115	VAC
Max Output Current	540	mA	Measured Frequency	60	Hz
			True Power Factor	0.460	
Measured Output Current	500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	5.07	V	Calculated Power Consumed	0.69	W
Calculated Output Power	2.54	W	Calculated Efficiency (Ouput/Input)	**78.73%**	
			Average Active Mode Efficiency:	**75.9%**	

Sample #1 Meets The Level V Active Efficiency Standard

Load condition #5: No Load	AC Input Measurements		
	Measured Input Power	0.05	W
Set the Output to No Load	Measured Input Voltage	115	VAC
	Measured Frequency	60	Hz
	True Power Factor	0.267	
	Total Harmonic Distortion (THD)		%

Sample #1 Meets The Level V No Load Standard

Sample #2 Test Results - 115 VAC / 60 Hz

Output Measurements			AC Input Measurements		
Load Condition #1: 100%					
Set Output Current to	2000	mA	Measured Input Power	13.03	W
Min Output Current	1960	mA	Measured Input Voltage	115	VAC
Max Output Current	2040	mA	Measured Frequency	60	Hz
			True Power Factor	0.573	
Measured Output Current	2000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.75	V	Calculated Power Consumed	3.53	W
Calculated Output Power	9.50	W	Calculated Efficiency (Ouput/Input)	**72.91%**	
Load Condition #2: 75%					
Set Output Current to	1500	mA	Measured Input Power	9.60	W
Min Output Current	1460	mA	Measured Input Voltage	115	VAC
Max Output Current	1540	mA	Measured Frequency	60	Hz
			True Power Factor	0.544	
Measured Output Current	1500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.84	V	Calculated Power Consumed	2.34	W
Calculated Output Power	7.26	W	Calculated Efficiency (Ouput/Input)	**75.63%**	
Load Condition #3: 50%					
Set Output Current to	1000	mA	Measured Input Power	6.43	W
Min Output Current	960	mA	Measured Input Voltage	115	VAC
Max Output Current	1040	mA	Measured Frequency	60	Hz
			True Power Factor	0.511	
Measured Output Current	1000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.97	V	Calculated Power Consumed	1.46	W
Calculated Output Power	4.97	W	Calculated Efficiency (Ouput/Input)	**77.29%**	
Load Condition #4: 25%					
Set Output Current to	500	mA	Measured Input Power	3.22	W
Min Output Current	460	mA	Measured Input Voltage	115	VAC
Max Output Current	540	mA	Measured Frequency	60	Hz
			True Power Factor	0.457	
Measured Output Current	500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	5.07	V	Calculated Power Consumed	0.69	W
Calculated Output Power	2.54	W	Calculated Efficiency (Ouput/Input)	**78.73%**	
			Average Active Mode Efficiency:	**76.1%**	

Sample #2 Meets The Level V Active Efficiency Standard

Load condition #5: No Load	AC Input Measurements		
	Measured Input Power	0.05	W
Set the Output to No Load	Measured Input Voltage	115	VAC
	Measured Frequency	60	Hz
	True Power Factor	0.266	
	Total Harmonic Distortion (THD)		%

Sample #2 Meets The Level V No Load Standard

Sample #3 Test Results - 115 VAC / 60 Hz

Output Measurements			AC Input Measurements		
Load Condition #1: 100%					
Set Output Current to	2000	mA	Measured Input Power	13.07	W
Min Output Current	1960	mA	Measured Input Voltage	115	VAC
Max Output Current	2040	mA	Measured Frequency	60	Hz
			True Power Factor	0.574	
Measured Output Current	2000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.75	V	Calculated Power Consumed	3.57	W
Calculated Output Power	9.50	W	Calculated Efficiency (Ouput/Input)	**72.69%**	
Load Condition #2: 75%					
Set Output Current to	1500	mA	Measured Input Power	9.55	W
Min Output Current	1460	mA	Measured Input Voltage	115	VAC
Max Output Current	1540	mA	Measured Frequency	60	Hz
			True Power Factor	0.545	
Measured Output Current	1500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.86	V	Calculated Power Consumed	2.26	W
Calculated Output Power	7.29	W	Calculated Efficiency (Ouput/Input)	**76.34%**	
Load Condition #3: 50%					
Set Output Current to	1000	mA	Measured Input Power	6.47	W
Min Output Current	960	mA	Measured Input Voltage	115	VAC
Max Output Current	1040	mA	Measured Frequency	60	Hz
			True Power Factor	0.512	
Measured Output Current	1000	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	4.97	V	Calculated Power Consumed	1.50	W
Calculated Output Power	4.97	W	Calculated Efficiency (Ouput/Input)	**76.82%**	
Load Condition #4: 25%					
Set Output Current to	500	mA	Measured Input Power	3.25	W
Min Output Current	460	mA	Measured Input Voltage	115	VAC
Max Output Current	540	mA	Measured Frequency	60	Hz
			True Power Factor	0.457	
Measured Output Current	500	mA	Total Harmonic Distortion (THD)		%
Measured Output Voltage	5.08	V	Calculated Power Consumed	0.71	W
Calculated Output Power	2.54	W	Calculated Efficiency (Ouput/Input)	**78.15%**	
			Average Active Mode Efficiency:	**76.0%**	

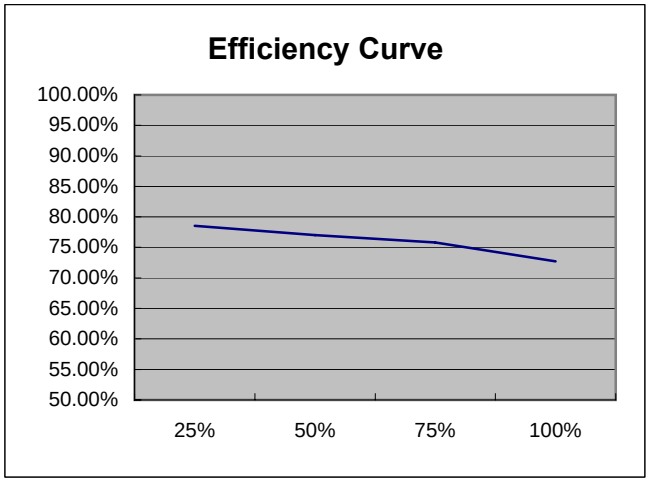
Sample #3 Meets The Level V Active Efficiency Standard

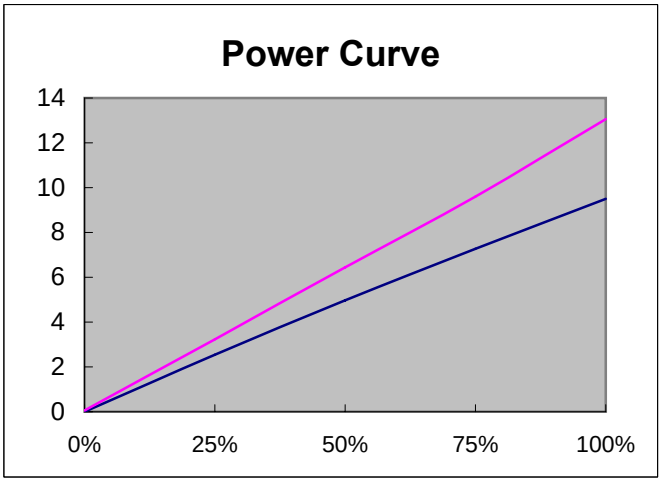
Load condition #5: No Load	AC Input Measurements		
	Measured Input Power	0.05	W
Set the Output to No Load	Measured Input Voltage	115	VAC
	Measured Frequency	60	Hz
	True Power Factor	0.272	
	Total Harmonic Distortion (THD)		%

Sample #3 Meets The Level V No Load Standard

KTEC

Power and Efficiency Curve





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10TH FL
116 BAUGUAU RD
SHINDIAN CITY, TAIPEI 231 TAIWAN

Trademark and/or Tradename: "E215890" , "KTC"

AC ADAPTOR, Model(s) KA12A080030023U, KA12A160080045D, KSAP0010500020HA, KSAP0010500020HB, KSAP0010500020HC, KSAP0010500020HE, KSAP0010500020HI, KSAP0010500020HK, KSAP0010500020HO, KSAP0010500020HR, KSAP0010500020HU, KSAP0141000140HU

AC ADAPTOR, Model(s) KSAS006xxxyyyyzzm (xxx=030-120 indicates rated output voltage range 3.0-12.0V, yyyy=0010-0120 indicate output current range 0.1A-1.2A, zz= VU, D5 indicates different plug type, VU= Vertical Unites States of America plug, D5=Detachable plug; m=U, D; U indicates output with USB, D indicates output with DC cord., KSAS0100500200M2, KSAS0101200100M2, KSAS010xxxyyyyD5(xxx=030-240, yyyy=0200-0001), KSAS010xxxyyyyHU(xxx=030-240, yyyy=0200-0001), KSAS010xxxyyyyVU(xxx=030-240, yyyy=0200-0001)

AC ADAPTOR, Model(s) KSUS030XXXYYYYM2; XXX = 090-240 represents the output voltage is 9.0 - 24.0 Vdc; YYYY = 0005-0300 represents the output current is 0.05 A - 3.0 A

AC ADAPTOR, Model(s) KSUS045XXXYYYYM2; XXX = 120-240 means the output voltage is 12.0 - 24.0 Vdc;YYYY = 0010-0300 means the output current is 0.1A - 3.0A

AC /DC adaptor, Model(s) KSAS120120yyyyM2 (yyyy=0005-0800), KSAS120121yyyyM2 (yyyy=0005-0800), KSAS120122yyyyM2 (yyyy=0005-0800), KSAS120123yyyyM2 (yyyy=0005-0800), KSAS120124yyyyM2 (yyyy=0005-0800), KSAS120125yyyyM2 (yyyy=0005-0800), KSAS120126yyyyM2 (yyyy=0005-0795), KSAS120127yyyyM2 (yyyy=0005-0790), KSAS120128yyyyM2 (yyyy=0005-0785), KSAS120129yyyyM2 (yyyy=0005-0780), KSAS120130yyyyM2 (yyyy=0005-0775), KSAS120131yyyyM2 (yyyy=0005-0770), KSAS120132yyyyM2 (yyyy=0005-0765), KSAS120133yyyyM2 (yyyy=0005-0750), KSAS120134yyyyM2 (yyyy=0005-0745), KSAS120135yyyyM2 (yyyy=0005-0740), KSAS120136yyyyM2 (yyyy=0005-0735), KSAS120137yyyyM2 (yyyy=0005-0730), KSAS120138yyyyM2 (yyyy=0005-0725), KSAS120139yyyyM2 (yyyy=0005-0720), KSAS120140yyyyM2 (yyyy=0005-0720), KSAS120141yyyyM2 (yyyy=0005-0710), KSAS120142yyyyM2 (yyyy=0005-0700), KSAS120143yyyyM2 (yyyy=0005-0690), KSAS120144yyyyM2 (yyyy=0005-0690), KSAS120145yyyyM2 (yyyy=0005-0690), KSAS120146yyyyM2 (yyyy=0005-0685), KSAS120147yyyyM2 (yyyy=0005-0680), KSAS120148yyyyM2 (yyyy=0005-0675), KSAS120149yyyyM2 (yyyy=0005-0672), KSAS120150yyyyM2 (yyyy=0005-0671), KSAS120151yyyyM2 (yyyy=0005-0670), KSAS120152yyyyM2 (yyyy=0005-0669), KSAS120153yyyyM2 (yyyy=0005-0668), KSAS120154yyyyM2 (yyyy=0005-0667), KSAS120155yyyyM2 (yyyy=0005-0666), KSAS120156yyyyM2 (yyyy=0005-0665), KSAS120157yyyyM2 (yyyy=0005-0664), KSAS120158yyyyM2 (yyyy=0005-0663), KSAS120159yyyyM2 (yyyy=0005-0662), KSAS120160yyyyM2 (yyyy=0005-0661), KSAS120161yyyyM2 (yyyy=0005-0660), KSAS120162yyyyM2 (yyyy=0005-0659), KSAS120163yyyyM2 (yyyy=0005-0658), KSAS120164yyyyM2 (yyyy=0005-0657), KSAS120165yyyyM2 (yyyy=0005-0656), KSAS120166yyyyM2 (yyyy=0005-0655), KSAS120167yyyyM2 (yyyy=0005-0654), KSAS120168yyyyM2 (yyyy=0005-0653), KSAS120169yyyyM2 (yyyy=0005-0652), KSAS120170yyyyM2 (yyyy=0005-0651), KSAS120171yyyyM2 (yyyy=0005-0650), KSAS120172yyyyM2 (yyyy=0005-0649), KSAS120173yyyyM2 (yyyy=0005-0648), KSAS120174yyyyM2 (yyyy=0005-0647), KSAS120175yyyyM2 (yyyy=0005-0646), KSAS120176yyyyM2 (yyyy=0005-0645), KSAS120177yyyyM2 (yyyy=0005-0644), KSAS120178yyyyM2 (yyyy=0005-0643), KSAS120179yyyyM2 (yyyy=0005-0642), KSAS120180yyyyM2 (yyyy=0005-0639), KSAS120181yyyyM2 (yyyy=0005-0638), KSAS120182yyyyM2 (yyyy=0005-0637), KSAS120183yyyyM2 (yyyy=0005-0636), KSAS120184yyyyM2 (yyyy=0005-0635), KSAS120185yyyyM2

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AC ADAPTER, Model(s) KSAS024120yyyyHU (e)

AC Adaptor, Model(s) KSA0024U-060, KSA0030U-075, KSA0036U-060, KSA0037U-067, KSAFD1200150W1UV, KSAFV1200200W1US, KSAP0361800200M2

AC Adaptor, Model(s) KSAS015xxxyyyyzz Series (xxx=030-240 indicates rated output voltage range 3,0-24,0 Vdc; yyyy=0001-0300 indicates rated output current range 10-3000mA. zz=VU, HU, D5, indicates different plug type, VU= Vertical Unites States of America plug, HU= Horizontal Unites states of America plug, D5=Detachable plug.)

AC ADAPTOR, Model(s) KSAS024075yyyyD5(yyyy=0001-0250), KSAS024075yyyyHU(yyyy=0001-0250), KSAS024075yyyyM2 (yyyy=0001-0250), KSAS024075yyyyVU(yyyy=0001-0250), KSAS024076yyyyD5(yyyy=0001-0250), KSAS024076yyyyHU (yyyy=0001-0250), KSAS024076yyyyM2(yyyy=0001-0250), KSAS024076yyyyVU(yyyy=0001-0250), KSAS024077yyyyD5 (yyyy=0001-0250), KSAS024077yyyyHU(yyyy=0001-0250), KSAS024077yyyyM2(yyyy=0001-0250), KSAS024077yyyyVU (yyyy=0001-0250), KSAS024078yyyyD5(yyyy=0001-0250), KSAS024078yyyyHU(yyyy=0001-0250), KSAS024078yyyyM2 (yyyy=0001-0250), KSAS024078yyyyVU(yyyy=0001-0250), KSAS024079yyyyD5(yyyy=0001-0250), KSAS024079yyyyHU (yyyy=0001-0250), KSAS024079yyyyM2(yyyy=0001-0250), KSAS024079yyyyVU(yyyy=0001-0250), KSAS024080yyyyD5 (yyyy=0001-0250), KSAS024080yyyyHU(yyyy=0001-0250), KSAS024080yyyyM2(yyyy=0001-0250), KSAS024080yyyyVU (yyyy=0001-0250), KSAS024081yyyyD5(yyyy=0001-0250), KSAS024081yyyyHU(yyyy=0001-0250), KSAS024081yyyyM2 (yyyy=0001-0250), KSAS024081yyyyVU(yyyy=0001-0250), KSAS024082yyyyD5(yyyy=0001-0250), KSAS024082yyyyHU (yyyy=0001-0250), KSAS024082yyyyM2(yyyy=0001-0250), KSAS024082yyyyVU(yyyy=0001-0250), KSAS024083yyyyD5 (yyyy=0001-0250), KSAS024083yyyyHU(yyyy=0001-0250), KSAS024083yyyyM2(yyyy=0001-0250), KSAS024083yyyyVU (yyyy=0001-0250), KSAS024084yyyyD5(yyyy=0001-0250), KSAS024084yyyyHU(yyyy=0001-0250), KSAS024084yyyyM2 (yyyy=0001-0250), KSAS024084yyyyVU(yyyy=0001-0250), KSAS024085yyyyD5(yyyy=0001-0250), KSAS024085yyyyHU (yyyy=0001-0250), KSAS024085yyyyM2(yyyy=0001-0250), KSAS024085yyyyVU(yyyy=0001-0250), KSAS024086yyyyD5 (yyyy=0001-0250), KSAS024086yyyyHU(yyyy=0001-0250), KSAS024086yyyyM2(yyyy=0001-0250), KSAS024086yyyyVU (yyyy=0001-0250), KSAS024087yyyyD5(yyyy=0001-0250), KSAS024087yyyyHU(yyyy=0001-0250), KSAS024087yyyyM2 (yyyy=0001-0250), KSAS024087yyyyVU(yyyy=0001-0250), KSAS024088yyyyD5(yyyy=0001-0250), KSAS024088yyyyHU (yyyy=0001-0250), KSAS024088yyyyM2(yyyy=0001-0250), KSAS024088yyyyVU(yyyy=0001-0250), KSAS024089yyyyD5 (yyyy=0001-0250), KSAS024089yyyyHU(yyyy=0001-0250), KSAS024089yyyyM2(yyyy=0001-0250), KSAS024089yyyyVU (yyyy=0001-0250), KSAS024090yyyyD5(yyyy=0001-0250), KSAS024090yyyyHU(yyyy=0001-0250), KSAS024090yyyyM2 (yyyy=0001-0250), KSAS024090yyyyVU(yyyy=0001-0250), KSAS024091yyyyD5(yyyy=0001-0250), KSAS024091yyyyHU (yyyy=0001-0250), KSAS024091yyyyM2(yyyy=0001-0250), KSAS024091yyyyVU(yyyy=0001-0250), KSAS024092yyyyD5 (yyyy=0001-0250), KSAS024092yyyyHU(yyyy=0001-0250), KSAS024092yyyyM2(yyyy=0001-0250), KSAS024092yyyyVU (yyyy=0001-0250), KSAS024093yyyyD5(yyyy=0001-0250), KSAS024093yyyyHU(yyyy=0001-0250), KSAS024093yyyyM2 (yyyy=0001-0250), KSAS024093yyyyVU(yyyy=0001-0250), KSAS024094yyyyD5(yyyy=0001-0250), KSAS024094yyyyHU (yyyy=0001-0250), KSAS024094yyyyM2(yyyy=0001-0250), KSAS024094yyyyVU(yyyy=0001-0250), KSAS024095yyyyD5 (yyyy=0001-0250), KSAS024095yyyyHU(yyyy=0001-0250), KSAS024095yyyyM2(yyyy=0001-0250), KSAS024095yyyyVU (yyyy=0001-0250), KSAS024096yyyyD5(yyyy=0001-0250), KSAS024096yyyyHU(yyyy=0001-0250), KSAS024096yyyyM2 (yyyy=0001-0250), KSAS024096yyyyVU(yyyy=0001-0250), KSAS024097yyyyD5(yyyy=0001-0247), KSAS024097yyyyHU (yyyy=0001-0247), KSAS024097yyyyM2(yyyy=0001-0247), KSAS024097yyyyVU(yyyy=0001-0247), KSAS024098yyyyD5 (yyyy=0001-0244), KSAS024098yyyyHU(yyyy=0001-0244), KSAS024098yyyyM2(yyyy=0001-0244), KSAS024098yyyyVU (yyyy=0001-0244), KSAS024099yyyyD5(yyyy=0001-0242), KSAS024099yyyyHU(yyyy=0001-0242), KSAS024099yyyyM2 (yyyy=0001-0242), KSAS024099yyyyVU(yyyy=0001-0242), KSAS024100yyyyD5(yyyy=0001-0240), KSAS024100yyyyHU (yyyy=0001-0240), KSAS024100yyyyM2(yyyy=0001-0240), KSAS024100yyyyVU(yyyy=0001-0240), KSAS024101yyyyD5

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AC Adaptor, Model(s) KSAS045xxxyyyyD5 (xxx=050-240, yyyy=0005-0500), TYT3000200M2

AC adaptors, Model(s) KSA0090U-220

Accessory Switching Mode Power Supply, Model(s) Pro-3

Adaptor, Model(s) 26-137, KA12A-15U, KSAFDxxxyyyyW1zz Series, KSAFK120YYYYT1M2@, KSAFK136YYYYT1M2(),
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KSAH096YYYYT1M2, KSAH097YYYYT1M2, KSAH098YYYYT1M2, KSAH099YYYYT1M2, KSAH100YYYYT1M2, KSAH101YYYYT1M2,
KSAH102YYYYT1M2, KSAH103YYYYT1M2, KSAH104YYYYT1M2, KSAH105YYYYT1M2, KSAH106YYYYT1M2, KSAH107YYYYT1M2,
KSAH108YYYYT1M2, KSAH109YYYYT1M2, KSAH110YYYYT1M2, KSAH111YYYYT1M2, KSAH112YYYYT1M2, KSAH113YYYYT1M2,
KSAH114YYYYT1M2, KSAH115YYYYT1M2, KSAH116YYYYT1M2, KSAH117YYYYT1M2, KSAH118YYYYT1M2, KSAH119YYYYT1M2,
KSAH120YYYYT1M2 except KSAH1200330T1M2, KSAH121YYYYT1M2, KSAH122YYYYT1M2, KSAH123YYYYT1M2, KSAH124YYYYT1M2,
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KSAH131YYYYT1M2, KSAH132YYYYT1M2, KSAH133YYYYT1M2, KSAH134YYYYT1M2, KSAH135YYYYT1M2, KSAH136YYYYT1M2,
KSAH137YYYYT1M2, KSAH138YYYYT1M2, KSAH139YYYYT1M2, KSAH140YYYYT1M2, KSAH141YYYYT1M2, KSAH142YYYYT1M2,
KSAH143YYYYT1M2, KSAH144YYYYT1M2, KSAH145YYYYT1M2, KSAH146YYYYT1M2, KSAH147YYYYT1M2, KSAH148YYYYT1M2,
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KSAH167YYYYT1M2, KSAH168YYYYT1M2, KSAH169YYYYT1M2, KSAH170YYYYT1M2, KSAH171YYYYT1M2, KSAH172YYYYT1M2,
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KSAH185YYYYT1M2, KSAH186YYYYT1M2, KSAH187YYYYT1M2, KSAH188YYYYT1M2, KSAH189YYYYT1M2, KSAH190YYYYT1M2,
KSAH191YYYYT1M2, KSAH192YYYYT1M2, KSAH193YYYYT1M2, KSAH194YYYYT1M2, KSAH195YYYYT1M2, KSAH196YYYYT1M2,
KSAH197YYYYT1M2, KSAH198YYYYT1M2, KSAH199YYYYT1M2, KSAH200YYYYT1M2, KSAH201YYYYT1M2, KSAH202YYYYT1M2,

KSAH203YYYYT1M2, KSAH204YYYYT1M2, KSAH205YYYYT1M2, KSAH206YYYYT1M2, KSAH207YYYYT1M2, KSAH208YYYYT1M2, KSAH209YYYYT1M2, KSAH210YYYYT1M2, KSAH211YYYYT1M2, KSAH212YYYYT1M2, KSAH213YYYYT1M2, KSAH214YYYYT1M2, KSAH215YYYYT1M2, KSAH216YYYYT1M2, KSAH217YYYYT1M2, KSAH218YYYYT1M2, KSAH219YYYYT1M2, KSAH220YYYYT1M2, KSAH221YYYYT1M2, KSAH222YYYYT1M2, KSAH223YYYYT1M2, KSAH224YYYYT1M2, KSAH225YYYYT1M2, KSAH226YYYYT1M2, KSAH227YYYYT1M2, KSAH228YYYYT1M2, KSAH229YYYYT1M2, KSAH230YYYYT1M2, KSAH231YYYYT1M2, KSAH232YYYYT1M2, KSAH233YYYYT1M2, KSAH234YYYYT1M2, KSAH235YYYYT1M2, KSAH236YYYYT1M2, KSAH237YYYYT1M2, KSAH238YYYYT1M2, KSAH239YYYYT1M2, KSAH240YYYYT1M2

Direct plug-in AC adapter, Model(s) KSAP0151800083HU, KSAP0361200300D5, KSAP0361200300HU

Direct plug-in adapter, Model(s) KSAFB0500100W1US-3, KSAFBXXXYYYYW1US(2)

Direct Plug-In Adapter, Model(s) KSAFCXXXYYYYW1US (f), KSAFCXXXYYYYW1UV (f)

Direct plug-in adapter, Model(s) KSCFD1700090W1US, KSUFB028yyyyD1US#, KSUFB028yyyyW1US(yyyy could be 0001 to 0100), KSUFB028yyyyW1UV-1#, KSUFB029yyyyD1US#, KSUFB029yyyyW1US(yyyy could be 0001 to 0100), KSUFB029yyyyW1UV-1#, KSUFB030yyyyD1US#, KSUFB030yyyyW1US (yyyy could be 0001 to 0100), KSUFB030yyyyW1UV-1#, KSUFB031yyyyD1US#, KSUFB031yyyyW1US (yyyy could be 0001to 0100), KSUFB031yyyyW1UV-1#, KSUFB032yyyyD1US#, KSUFB032yyyyW1US (yyyy could be 0001-0100), KSUFB032yyyyW1UV-1#, KSUFB033yyyyD1US#, KSUFB033yyyyW1US (yyyy could be 0001 to 0100), KSUFB033yyyyW1UV-1#, KSUFB034yyyyD1US#, KSUFB034yyyyW1US (yyyy could be 0001 to 0100), KSUFB034yyyyW1UV-1#, KSUFB035yyyyD1US#, KSUFB035yyyyW1US (yyyy could be 0001 to 0100), KSUFB035yyyyW1UV-1#, KSUFB036yyyyD1US#, KSUFB036yyyyW1US (yyyy could be 0001 to 0100), KSUFB036yyyyW1UV-1#, KSUFB037yyyyD1US#, KSUFB037yyyyW1US (yyyy could be 0001 to 0100), KSUFB037yyyyW1UV-1#, KSUFB038yyyyD1US#, KSUFB038yyyyW1US (yyyy could be 0001 to 0100), KSUFB038yyyyW1UV-1#, KSUFB039yyyyD1US#, KSUFB039yyyyW1US (yyyy could be 0001 to 0100), KSUFB039yyyyW1UV-1#, KSUFB040yyyyD1US#, KSUFB040yyyyW1US (yyyy could be 0001 to 0100), KSUFB040yyyyW1UV-1#, KSUFB041yyyyD1US#, KSUFB041yyyyW1US (yyyy could be 0001 to 0100), KSUFB041yyyyW1UV-1#, KSUFB042yyyyD1US#, KSUFB042yyyyW1US (yyyy could be 0001 to 0100), KSUFB042yyyyW1UV-1#, KSUFB043yyyyD1US#, KSUFB043yyyyW1US (yyyy could be 0001 to 0100), KSUFB043yyyyW1UV-1#, KSUFB044yyyyD1US#, KSUFB044yyyyW1US (yyyy could be 0001 to 0100), KSUFB044yyyyW1UV-1#, KSUFB045yyyyD1US#, KSUFB045yyyyW1US (yyyy could be 0001 to 0100), KSUFB045yyyyW1UV-1#, KSUFB046yyyyD1US#, KSUFB046yyyyW1US (yyyy could be 0001 to 0100), KSUFB046yyyyW1UV-1#, KSUFB047yyyyD1US#, KSUFB047yyyyW1US (yyyy could be 0001 to 0100), KSUFB047yyyyW1UV-1#, KSUFB048yyyyD1US#, KSUFB048yyyyW1US (yyyy could be 0001 to 0100), KSUFB048yyyyW1UV-1#, KSUFB049yyyyD1US#, KSUFB049yyyyW1US (yyyy could be 0001 to 0100), KSUFB049yyyyW1UV-1#, KSUFB0500100W1UV-1 (Part Number F737P), KSUFB050yyyyD1US#, KSUFB050yyyyW1US (yyyy could be 0001 to 0100), AY5800/37, KSUFB050yyyyW1UV-1#, KSUFB051yyyyD1US (yyyy could be 0001 to 0098), KSUFB051yyyyW1US (yyyy could be 0001 to 0098), KSUFB051yyyyW1UV-1 (yyyy could be 0001 to 0098), KSUFB052yyyyD1US (yyyy could be 0001 to 0096), KSUFB052yyyyW1US (yyyy could be 0001 to 0096), KSUFB052yyyyW1UV-1 (yyyy could be 0001 to 0096), KSUFB053yyyyD1US (yyyy could be 0001 to 0094), KSUFB053yyyyW1US (yyyy could be 0001 to 0094), KSUFB053yyyyW1UV-1 (yyyy could be 0001 to 0094), KSUFB054yyyyD1US (yyyy could be 0001 to 0092), KSUFB054yyyyW1US (yyyy could be 0001 to 0092), KSUFB054yyyyW1UV-1 (yyyy could be 0001 to 0092), KSUFB055yyyyD1US (yyyy could be 0001 to 0091), KSUFB055yyyyW1US (yyyy could be 0001 to 0091), KSUFB055yyyyW1UV-1 (yyyy could be 0001 to 0091), KSUFB056yyyyD1US (yyyy could be 0001 to 0089), KSUFB056yyyyW1US (yyyy could be 0001 to 0089), KSUFB056yyyyW1UV-1 (yyyy could be 0001 to 0089), KSUFB057yyyyD1US (yyyy could be 0001 to 0088), KSUFB057yyyyW1US (yyyy could be 0001 to 0088), KSUFB057yyyyW1UV-1 (yyyy could be 0001 to 0088), KSUFB058yyyyD1US (yyyy could be 0001 to 0086), KSUFB058yyyyW1US (yyyy could be 0001 to 0086), KSUFB058yyyyW1UV-1 (yyyy could be 0001 to 0086), KSUFB059yyyyD1US (yyyy could be 0001 to 0085), KSUFB059yyyyW1US (yyyy could be 0001 to 0085), KSUFB059yyyyW1UV-1 (yyyy could be 0001 to 0085), KSUFB060yyyyD1US (yyyy could be 0001 to 0083), KSUFB060yyyyW1US (yyyy could be 0001 to 0083), KSUFB060yyyyW1UV-1 (yyyy could be 0001 to 0083), KSUFB061yyyyD1US (yyyy could be 0001 to 0082), KSUFB061yyyyW1US (yyyy could be 0001 to 0082), KSUFB061yyyyW1UV-1 (yyyy could be 0001 to 0082), KSUFB062yyyyD1US (yyyy could be 0001 to 0081), KSUFB062yyyyW1US (yyyy could be 0001 to 0081), KSUFB062yyyyW1UV-1 (yyyy could be 0001 to 0081), KSUFB063yyyyD1US (yyyy could be 0001 to 0079), KSUFB063yyyyW1US (yyyy could be 0001 to 0079), KSUFB063yyyyW1UV-1 (yyyy could be 0001 to 0079), KSUFB064yyyyD1US (yyyy could be 0001 to 0078), KSUFB064yyyyW1US (yyyy could be 0001 to 0078), KSUFB064yyyyW1UV-1 (yyyy could be 0001 to 0078), KSUFB065yyyyD1US (yyyy could be 0001 to 0078), KSUFB065yyyyW1US (yyyy could be 0001 to 0078), KSUFB065yyyyW1UV-1 (yyyy could be 0001 to 0078), KSUFB066yyyyD1US (yyyy could be 0001 to 0077), KSUFB066yyyyW1US (yyyy could be 0001 to 0077), KSUFB066yyyyW1UV-1 (yyyy could be 0001 to 0077), KSUFB067yyyyD1US (yyyy could be 0001 to 0075), KSUFB067yyyyW1US (yyyy could be 0001 to 0075), KSUFB067yyyyW1UV-1 (yyyy could be 0001 to 0075), KSUFB068yyyyD1US (yyyy could be 0001 to 0074), KSUFB068yyyyW1US (yyyy could be 0001 to 0074), KSUFB068yyyyW1UV-1 (yyyy could be 0001 to 0074), KSUFB069yyyyD1US (yyyy could be 0001 to 0073), KSUFB069yyyyW1US (yyyy could be 0001 to 0073), KSUFB069yyyyW1UV-1 (yyyy could be 0001 to 0073), KSUFB070yyyyD1US (yyyy could be 0001 to 0071), KSUFB070yyyyW1US (yyyy could be 0001 to 0071), KSUFB070yyyyW1UV-1 (yyyy could be 0001 to 0071), KSUFB071yyyyD1US (yyyy could be 0001 to 0070), KSUFB071yyyyW1US (yyyy could be 0001 to 0070), KSUFB071yyyyW1UV-1 (yyyy could be 0001 to 0070), KSUFB072yyyyD1US (yyyy could be 0001 to 0069), KSUFB072yyyyW1US (yyyy could be 0001 to 0069), KSUFB072yyyyW1UV-1 (yyyy could be 0001 to 0069), KSUFB073yyyyD1US (yyyy could be 0001 to 0069), KSUFB073yyyyW1US (yyyy could be 0001 to 0069), KSUFB073yyyyW1UV-1 (yyyy could be 0001 to 0069), KSUFB074yyyyD1US (yyyy could be 0001 to 0068), KSUFB074yyyyW1US (yyyy could be 0001 to 0068), KSUFB074yyyyW1UV-1 (yyyy could be 0001 to 0068), KSUFB075yyyyD1US (yyyy could be 0001 to 0067), KSUFB075yyyyW1US (yyyy could be 0001 to 0067), KSUFB075yyyyW1UV-1 (yyyy could be 0001 to 0067), KSUFB076yyyyD1US (yyyy could be 0001 to 0066), KSUFB076yyyyW1US (yyyy could be 0001 to 0066), KSUFB076yyyyW1UV-1 (yyyy could be 0001 to 0066), KSUFB077yyyyD1US (yyyy could be 0001 to 0065), KSUFB077yyyyW1US (yyyy could be 0001 to 0065), KSUFB077yyyyW1UV-1 (yyyy could be 0001 to 0065), KSUFB078yyyyD1US (yyyy could be 0001 to 0064), KSUFB078yyyyW1US (yyyy could be 0001 to 0064), KSUFB078yyyyW1UV-1 (yyyy could be 0001 to 0064), KSUFB079yyyyD1US (yyyy could be 0001 to 0063), KSUFB079yyyyW1US (yyyy could be 0001 to 0063), KSUFB079yyyyW1UV-1 (yyyy could be 0001 to 0063), KSUFB080yyyyD1US (yyyy could be 0001 to 0063), KSUFB080yyyyW1US (yyyy could be 0001 to 0063), KSUFB080yyyyW1UV-1 (yyyy could be 0001 to 0063), KSUFB081yyyyD1US

(yyyy could be 0001 to 0062), KSUFB081yyyyW1US (yyyy could be 0001 to 0062), KSUFB081yyyyW1UV-1 (yyyy could be 0001 to 0062), KSUFB082yyyyD1US (yyyy could be 0001 to 0061), KSUFB082yyyyW1US (yyyy could be 0001 to 0061), KSUFB082yyyyW1UV-1 (yyyy could be 0001 to 0061), KSUFB083yyyyD1US (yyyy could be 0001 to 0060), KSUFB083yyyyW1US (yyyy could be 0001 to 0060), KSUFB083yyyyW1UV-1 (yyyy could be 0001 to 0060), KSUFB084yyyyD1US (yyyy could be 0001 to 0060), KSUFB084yyyyW1US (yyyy could be 0001 to 0060), KSUFB084yyyyW1UV-1 (yyyy could be 0001 to 0060), KSUFB085yyyyD1US (yyyy could be 0001 to 0059), KSUFB085yyyyW1US (yyyy could be 0001 to 0059), KSUFB085yyyyW1UV-1 (yyyy could be 0001 to 0059), KSUFB086yyyyD1US (yyyy could be 0001 to 0058), KSUFB086yyyyW1US (yyyy could be 0001 to 0058), KSUFB086yyyyW1UV-1 (yyyy could be 0001 to 0058), KSUFB087yyyyD1US (yyyy could be 0001 to 0057), KSUFB087yyyyW1US (yyyy could be 0001 to 0057), KSUFB087yyyyW1UV-1 (yyyy could be 0001 to 0057), KSUFB088yyyyD1US (yyyy could be 0001 to 0057), KSUFB088yyyyW1US (yyyy could be 0001 to 0057), KSUFB088yyyyW1UV-1 (yyyy could be 0001 to 0057), KSUFB089yyyyD1US (yyyy could be 0001 to 0056), KSUFB089yyyyW1US (yyyy could be 0001 to 0056), KSUFB089yyyyW1UV-1 (yyyy could be 0001 to 0056), KSUFB090yyyyD1US (yyyy could be 0001 to 0056), KSUFB090yyyyW1US (yyyy could be 0001 to 0056), KSUFB090yyyyW1UV-1 (yyyy could be 0001 to 0056), KSUFB091yyyyD1US (yyyy could be 0001 to 0055), KSUFB091yyyyW1US (yyyy could be 0001 to 0055), KSUFB091yyyyW1UV-1 (yyyy could be 0001 to 0055), KSUFB092yyyyD1US (yyyy could be 0001 to 0054), KSUFB092yyyyW1US (yyyy could be 0001 to 0054), KSUFB092yyyyW1UV-1 (yyyy could be 0001 to 0054), KSUFB093yyyyD1US (yyyy could be 0001 to 0054), KSUFB093yyyyW1US (yyyy could be 0001 to 0054), KSUFB093yyyyW1UV-1 (yyyy could be 0001 to 0054), KSUFB094yyyyD1US (yyyy could be 0001 to 0053), KSUFB094yyyyW1US (yyyy could be 0001 to 0053), KSUFB094yyyyW1UV-1 (yyyy could be 0001 to 0053), KSUFB095yyyyD1US (yyyy could be 0001 to 0053), KSUFB095yyyyW1US (yyyy could be 0001 to 0053), KSUFB095yyyyW1UV-1 (yyyy could be 0001 to 0053), KSUFB096yyyyD1US (yyyy could be 0001 to 0052), KSUFB096yyyyW1US (yyyy could be 0001 to 0052), KSUFB096yyyyW1UV-1 (yyyy could be 0001 to 0052), KSUFB097yyyyD1US (yyyy could be 0001 to 0051), KSUFB097yyyyW1US (yyyy could be 0001 to 0051), KSUFB097yyyyW1UV-1 (yyyy could be 0001 to 0051), KSUFB098yyyyD1US (yyyy could be 0001 to 0051), KSUFB098yyyyW1US (yyyy could be 0001 to 0051), KSUFB098yyyyW1UV-1 (yyyy could be 0001 to 0051), KSUFB099yyyyD1US (yyyy could be 0001 to 0050), KSUFB099yyyyW1US (yyyy could be 0001 to 0050), KSUFB099yyyyW1UV-1 (yyyy could be 0001 to 0050), KSUFB100yyyyD1US (yyyy could be 0001 to 0050), KSUFB100yyyyW1US (yyyy could be 0001 to 0050), KSUFB100yyyyW1UV-1 (yyyy could be 0001 to 0050), KSUFB101yyyyD1US (yyyy could be 0001 to 0049), KSUFB101yyyyW1US (yyyy could be 0001 to 0049), KSUFB101yyyyW1UV-1 (yyyy could be 0001 to 0049), KSUFB102yyyyD1US (yyyy could be 0001 to 0049), KSUFB102yyyyW1US (yyyy could be 0001 to 0049), KSUFB102yyyyW1UV-1 (yyyy could be 0001 to 0049), KSUFB103yyyyD1US (yyyy could be 0001 to 0048), KSUFB103yyyyW1US (yyyy could be 0001 to 0048), KSUFB103yyyyW1UV-1 (yyyy could be 0001 to 0048), KSUFB104yyyyD1US (yyyy could be 0001 to 0048), KSUFB104yyyyW1US (yyyy could be 0001 to 0048), KSUFB104yyyyW1UV-1 (yyyy could be 0001 to 0048), KSUFB105yyyyD1US (yyyy could be 0001 to 0048), KSUFB105yyyyW1US (yyyy could be 0001 to 0048), KSUFB105yyyyW1UV-1 (yyyy could be 0001 to 0048), KSUFB106yyyyD1US (yyyy could be 0001 to 0047), KSUFB106yyyyW1US (yyyy could be 0001 to 0047), KSUFB106yyyyW1UV-1 (yyyy could be 0001 to 0047), KSUFB107yyyyD1US (yyyy could be 0001 to 0047), KSUFB107yyyyW1US (yyyy could be 0001 to 0047), KSUFB107yyyyW1UV-1 (yyyy could be 0001 to 0047), KSUFB108yyyyD1US (yyyy could be 0001 to 0046), KSUFB108yyyyW1US (yyyy could be 0001 to 0046), KSUFB108yyyyW1UV-1 (yyyy could be 0001 to 0046), KSUFB109yyyyD1US (yyyy could be 0001 to 0046), KSUFB109yyyyW1US (yyyy could be 0001 to 0046), KSUFB109yyyyW1UV-1 (yyyy could be 0001 to 0046), KSUFB110yyyyD1US (yyyy could be 0001 to 0045), KSUFB110yyyyW1US (yyyy could be 0001 to 0045), KSUFB110yyyyW1UV-1 (yyyy could be 0001 to 0045), KSUFB111yyyyD1US (yyyy could be 0001 to 0045), KSUFB111yyyyW1US (yyyy could be 0001 to 0045), KSUFB111yyyyW1UV-1 (yyyy could be 0001 to 0045), KSUFB112yyyyD1US (yyyy could be 0001 to 0045), KSUFB112yyyyW1US (yyyy could be 0001 to 0045), KSUFB112yyyyW1UV-1 (yyyy could be 0001 to 0045), KSUFB113yyyyD1US (yyyy could be 0001 to 0044), KSUFB113yyyyW1US (yyyy could be 0001 to 0044), KSUFB113yyyyW1UV-1 (yyyy could be 0001 to 0044), KSUFB114yyyyD1US (yyyy could be 0001 to 0044), KSUFB114yyyyW1US (yyyy could be 0001 to 0044), KSUFB114yyyyW1UV-1 (yyyy could be 0001 to 0044), KSUFB115yyyyD1US (yyyy could be 0001 to 0043), KSUFB115yyyyW1US (yyyy could be 0001 to 0043), KSUFB115yyyyW1UV-1 (yyyy could be 0001 to 0043), KSUFB116yyyyD1US (yyyy could be 0001 to 0043), KSUFB116yyyyW1US (yyyy could be 0001 to 0043), KSUFB116yyyyW1UV-1 (yyyy could be 0001 to 0043), KSUFB117yyyyD1US (yyyy could be 0001 to 0043), KSUFB117yyyyW1US (yyyy could be 0001 to 0043), KSUFB117yyyyW1UV-1 (yyyy could be 0001 to 0043), KSUFB118yyyyD1US (yyyy could be 0001 to 0042), KSUFB118yyyyW1US (yyyy could be 0001 to 0042), KSUFB118yyyyW1UV-1 (yyyy could be 0001 to 0042), KSUFB119yyyyD1US (yyyy could be 0001 to 0042), KSUFB119yyyyW1US (yyyy could be 0001 to 0042), KSUFB119yyyyW1UV-1 (yyyy could be 0001 to 0042), KSUFB120yyyyD1US (yyyy could be 0001 to 0042), KSUFB120yyyyW1US (yyyy could be 0001 to 0042), KSUFB120yyyyW1UV-1 (yyyy could be 0001 to 0042), UV-1

Direct Plug-in Linear Adapter, Model(s) KA12R085015U

Direct plug-in Power Adapter, Model(s) KSCFBXXXYYYYW1UV-1, KSCFBXXXYYYYWIUS, KSCFBXXXYYYYIUV

Direct plug-in power supplies, Model(s) KA12A-16U, KA12A-18U, KA12A-22U, KA12A-23U, KA12A-24U, KA12A-33U, KA12A-34U, KA12A-35U, KA12A120168015UG, KA12D-15U, KA12D-16U, KA12D-18U, KA12D-22U, KA12D-23U, KA12D-24U, KA12D-33U, KA12D-34U, KA12D-35U, KA12R050100015U

DPIT Switch mode power supplies, Model(s) 15-317, 15-318, 15-319, KSLFB028yyyyW1UV-1 (yyyy=0001-0100), KSLFB029yyyyW1UV-1 (yyyy=0001-0100), KSLFB030yyyyW1UV-1 (yyyy=0001-0100), KSLFB031yyyyW1UV-1 (yyyy=0001-0100), KSLFB032yyyyW1UV-1 (yyyy=0001-0100), KSLFB033yyyyW1UV-1 (yyyy=0001-0100), KSLFB034yyyyW1UV-1 (yyyy=0001-0100), KSLFB035yyyyW1UV-1 (yyyy=0001-0100), KSLFB036yyyyW1UV-1 (yyyy=0001-0100), KSLFB037yyyyW1UV-1 (yyyy=0001-0100), KSLFB038yyyyW1UV-1 (yyyy=0001-0100), KSLFB039yyyyW1UV-1 (yyyy=0001-0100), KSLFB040yyyyW1UV-1 (yyyy=0001-0100), KSLFB041yyyyW1UV-1 (yyyy=0001-0100), KSLFB042yyyyW1UV-1 (yyyy=0001-0100), KSLFB043yyyyW1UV-1 (yyyy=0001-0100), KSLFB044yyyyW1UV-1 (yyyy=0001-0100), KSLFB045yyyyW1UV-1 (yyyy=0001-0100), KSLFB046yyyyW1UV-1 (yyyy=0001-0100), KSLFB047yyyyW1UV-1 (yyyy=0001-0100), KSLFB048yyyyW1UV-1 (yyyy=0001-0100), KSLFB049yyyyW1UV-1 (yyyy=0001-0100), KSLFB050yyyyW1UV-1 (yyyy=0001-0100), KSLFB051yyyyW1UV-1 (yyyy=0001-0098), KSLFB052yyyyW1UV-1 (yyyy=0001-0096), KSLFB053yyyyW1UV-1 (yyyy=0001-0094), KSLFB054yyyyW1UV-1 (yyyy=0001-0092), KSLFB055yyyyW1UV-1 (yyyy=0001-0091), KSLFB056yyyyW1UV-1 (yyyy=0001-0089), KSLFB057yyyyW1UV-1 (yyyy=0001-0088), KSLFB058yyyyW1UV-1 (yyyy=0001-0086),

KSLFB059yyyyW1UV-1 (yyyy=0001-0085), KSLFB060yyyyW1UV-1 (yyyy=0001-0083), KSLFB061yyyyW1UV-1 (yyyy=0001-0082), KSLFB062yyyyW1UV-1 (yyyy=0001-0081), KSLFB063yyyyW1UV-1 (yyyy=0001-0079), KSLFB064yyyyW1UV-1 (yyyy=0001-0078), KSLFB065yyyyW1UV-1 (yyyy=0001-0077), KSLFB066yyyyW1UV-1 (yyyy=0001-0076), KSLFB067yyyyW1UV-1 (yyyy=0001-0075), KSLFB068yyyyW1UV-1 (yyyy=0001-0074), KSLFB069yyyyW1UV-1 (yyyy=0001-0073), KSLFB070yyyyW1UV-1 (yyyy=0001-0071), KSLFB071yyyyW1UV-1 (yyyy=0001-0070), KSLFB072yyyyW1UV-1 (yyyy=0001-0069), KSLFB073yyyyW1UV-1 (yyyy=0001-0069), KSLFB074yyyyW1UV-1 (yyyy=0001-0068), KSLFB075yyyyW1UV-1 (yyyy=0001-0067), KSLFB076yyyyW1UV-1 (yyyy=0001-0066), KSLFB077yyyyW1UV-1 (yyyy=0001-0065), KSLFB078yyyyW1UV-1 (yyyy=0001-0064), KSLFB079yyyyW1UV-1 (yyyy=0001-0063), KSLFB080yyyyW1UV-1 (yyyy=0001-0063), KSLFB081yyyyW1UV-1 (yyyy=0001-0062), KSLFB082yyyyW1UV-1 (yyyy=0001-0061), KSLFB083yyyyW1UV-1 (yyyy=0001-0060), KSLFB084yyyyW1UV-1 (yyyy=0001-0060), KSLFB085yyyyW1UV-1 (yyyy=0001-0059), KSLFB086yyyyW1UV-1 (yyyy=0001-0058), KSLFB087yyyyW1UV-1 (yyyy=0001-0057), KSLFB088yyyyW1UV-1 (yyyy=0001-0057), KSLFB089yyyyW1UV-1 (yyyy=0001-0056), KSLFB090yyyyW1UV-1 (yyyy=0001-0056), KSLFB091yyyyW1UV-1 (yyyy=0001-0055), KSLFB092yyyyW1UV-1 (yyyy=0001-0054), KSLFB093yyyyW1UV-1 (yyyy=0001-0054), KSLFB094yyyyW1UV-1 (yyyy=0001-0053), KSLFB095yyyyW1UV-1 (yyyy=0001-0053), KSLFB096yyyyW1UV-1 (yyyy=0001-0052), KSLFB097yyyyW1UV-1 (yyyy=0001-0051), KSLFB098yyyyW1UV-1 (yyyy=0001-0051), KSLFB099yyyyW1UV-1 (yyyy=0001-0050), KSLFB100yyyyW1UV-1 (yyyy=0001-0050), KSLFB101yyyyW1UV-1 (yyyy=0001-0049), KSLFB102yyyyW1UV-1 (yyyy=0001-0049), KSLFB103yyyyW1UV-1 (yyyy=0001-0048), KSLFB104yyyyW1UV-1 (yyyy=0001-0048), KSLFB105yyyyW1UV-1 (yyyy=0001-0048), KSLFB106yyyyW1UV-1 (yyyy=0001-0047), KSLFB107yyyyW1UV-1 (yyyy=0001-0047), KSLFB108yyyyW1UV-1 (yyyy=0001-0046), KSLFB109yyyyW1UV-1 (yyyy=0001-0046), KSLFB110yyyyW1UV-1 (yyyy=0001-0045), KSLFB111yyyyW1UV-1 (yyyy=0001-0045), KSLFB112yyyyW1UV-1 (yyyy=0001-0045), KSLFB113yyyyW1UV-1 (yyyy=0001-0044), KSLFB114yyyyW1UV-1 (yyyy=0001-0044), KSLFB115yyyyW1UV-1 (yyyy=0001-0043), KSLFB116yyyyW1UV-1 (yyyy=0001-0043), KSLFB117yyyyW1UV-1 (yyyy=0001-0043), KSLFB118yyyyW1UV-1 (yyyy=0001-0042), KSLFB119yyyyW1UV-1 (yyyy=0001-0042), KSLFB120yyyyW1UV-1 (yyyy=0001-0042), KSLFBxxxyyyyW1US(ff)

Power Supplies for Information Technology Equipment Including Electrical Business Equipment, Model(s) KSAFCXXXYYYYW1UV-1

Power Supply, Model(s) KSAFE1000180T1M2, KSAS065100YYYYM2(YYYY=0010-0500), KSAS065101YYYYM2(YYYY=0010-0500), KSAS065102YYYYM2(YYYY=0010-0500), KSAS065103YYYYM2(YYYY=0010-0500), KSAS065104YYYYM2(YYYY=0010-0500), KSAS065105YYYYM2(YYYY=0010-0500), KSAS065106YYYYM2(YYYY=0010-0500), KSAS065107YYYYM2(YYYY=0010-0500), KSAS065108YYYYM2(YYYY=0010-0500), KSAS065109YYYYM2(YYYY=0010-0500), KSAS065110YYYYM2(YYYY=0010-0500), KSAS065111YYYYM2(YYYY=0010-0500), KSAS065112YYYYM2(YYYY=0010-0500), KSAS065113YYYYM2(YYYY=0010-0500), KSAS065114YYYYM2(YYYY=0010-0500), KSAS065115YYYYM2(YYYY=0010-0500), KSAS065116YYYYM2(YYYY=0010-0500), KSAS065117YYYYM2(YYYY=0010-0500), KSAS065118YYYYM2(YYYY=0010-0500), KSAS065119YYYYM2(YYYY=0010-0500), KSAS065120YYYYM2(YYYY=0010-0500), KSAS065121YYYYM2(YYYY=0010-0495), KSAS065122YYYYM2(YYYY=0010-0491), KSAS065123YYYYM2(YYYY=0010-0487), KSAS065124YYYYM2(YYYY=0010-0483), KSAS065125YYYYM2(YYYY=0010-0480), KSAS065126YYYYM2(YYYY=0010-0476), KSAS065127YYYYM2(YYYY=0010-0472), KSAS065128YYYYM2(YYYY=0010-0468), KSAS065129YYYYM2(YYYY=0010-0465), KSAS065130YYYYM2(YYYY=0010-0461), KSAS065131YYYYM2(YYYY=0010-0458), KSAS065132YYYYM2(YYYY=0010-0454), KSAS065133YYYYM2(YYYY=0010-0451), KSAS065134YYYYM2(YYYY=0010-0447), KSAS065135YYYYM2(YYYY=0010-0444), KSAS065136YYYYM2(YYYY=0010-0441), KSAS065137YYYYM2 (YYYY=0010-0437), KSAS065138YYYYM2 (YYYY=0010-0434), KSAS065139YYYYM2 (YYYY=0010-0431), KSAS065140YYYYM2 (YYYY=0010-0428), KSAS065141YYYYM2 (YYYY=0010-0425), KSAS065142YYYYM2 (YYYY=0010-0422), KSAS065143YYYYM2 (YYYY=0010-0419), KSAS065144YYYYM2 (YYYY=0010-0416), KSAS065145YYYYM2 (YYYY=0010-0413), KSAS065146YYYYM2 (YYYY=0010-0410), KSAS065147YYYYM2 (YYYY=0010-0408), KSAS065148YYYYM2 (YYYY=0010-0405), KSAS065149YYYYM2 (YYYY=0010-0402), KSAS065150YYYYM2 (YYYY=0010-0400), KSAS065151YYYYM2 (YYYY=0010-0397), KSAS065152YYYYM2 (YYYY=0010-0394), KSAS065153YYYYM2 (YYYY=0010-0392), KSAS065155YYYYM2 (YYYY=0010-0387), KSAS065156YYYYM2 (YYYY=0010-0384), KSAS065157YYYYM2 (YYYY=0010-0382), KSAS065158YYYYM2 (YYYY=0010-0379), KSAS065159YYYYM2 (YYYY=0010-0377), KSAS065160YYYYM2 (YYYY=0010-0375), KSAS065161YYYYM2 (YYYY=0010-0372), KSAS065162YYYYM2 (YYYY=0010-0370), KSAS065163YYYYM2 (YYYY=0010-0368), KSAS065164YYYYM2 (YYYY=0010-0365), KSAS065165YYYYM2 (YYYY=0010-0363), KSAS065166YYYYM2 (YYYY=0010-0361), KSAS065167YYYYM2 (YYYY=0010-0359), KSAS065168YYYYM2 (YYYY=0010-0357), KSAS065169YYYYM2 (YYYY=0010-0355), KSAS065170YYYYM2 (YYYY=0010-0352), KSAS065171YYYYM2 (YYYY=0010-0350), KSAS065172YYYYM2 (YYYY=0010-0348), KSAS065173YYYYM2 (YYYY=0010-0346), KSAS065174YYYYM2 (YYYY=0010-0344), KSAS065175YYYYM2 (YYYY=0010-0342), KSAS065176YYYYM2 (YYYY=0010-0340), KSAS065177YYYYM2 (YYYY=0010-0338), KSAS065178YYYYM2 (YYYY=0010-0337), KSAS065179YYYYM2 (YYYY=0010-0335), KSAS065180YYYYM2 (YYYY=0010-0361), KSAS065181YYYYM2 (YYYY=0010-0359), KSAS065182YYYYM2 (YYYY=0010-0357), KSAS065183YYYYM2 (YYYY=0010-0355), KSAS065184YYYYM2 (YYYY=0010-0353), KSAS065185YYYYM2 (YYYY=0010-0351), KSAS065186YYYYM2 (YYYY=0010-0349), KSAS065187YYYYM2 (YYYY=0010-0347), KSAS065188YYYYM2 (YYYY=0010-0345), KSAS065189YYYYM2 (YYYY=0010-0343), KSAS065190YYYYM2 (YYYY=0010-0342), KSAS065191YYYYM2 (YYYY=0010-0340), KSAS065192YYYYM2 (YYYY=0010-0338), KSAS065193YYYYM2 (YYYY=0010-0336), KSAS065194YYYYM2 (YYYY=0010-0335), KSAS065195YYYYM2 (YYYY=0010-0333), KSAS065196YYYYM2 (YYYY=0010-0331), KSAS065197YYYYM2 (YYYY=0010-0329), KSAS065198YYYYM2 (YYYY=0010-0328), KSAS065199YYYYM2 (YYYY=0010-0326), KSAS065200YYYYM2 (YYYY=0010-0325), KSAS065201YYYYM2 (YYYY=0010-0323), KSAS065202YYYYM2 (YYYY=0010-0321), KSAS065203YYYYM2 (YYYY=0010-0320), KSAS065204YYYYM2 (YYYY=0010-0318), KSAS065205YYYYM2 (YYYY=0010-0317), KSAS065206YYYYM2 (YYYY=0010-0315), KSAS065207YYYYM2 (YYYY=0010-0314), KSAS065208YYYYM2 (YYYY=0010-0315), KSAS065209YYYYM2 (YYYY=0010-0311), KSAS065210YYYYM2 (YYYY=0010-0309), KSAS065211YYYYM2 (YYYY=0010-0308), KSAS065212YYYYM2 (YYYY=0010-0306), KSAS065213YYYYM2 (YYYY=0010-0305), KSAS065214YYYYM2 (YYYY=0010-0303), KSAS065215YYYYM2 (YYYY=0010-0302), KSAS065216YYYYM2 (YYYY=0010-0300), KSAS065217YYYYM2 (YYYY=0010-0299), KSAS065218YYYYM2 (YYYY=0010-0297), KSAS065219YYYYM2 (YYYY=0010-0296), KSAS065220YYYYM2 (YYYY=0010-0295), KSAS065221YYYYM2 (YYYY=0010-0294), KSAS065222YYYYM2 (YYYY=0010-0292), KSAS065223YYYYM2 (YYYY=0010-0291), KSAS065224YYYYM2 (YYYY=0010-0290), KSAS065225YYYYM2 (YYYY=0010-0288), KSAS065226YYYYM2 (YYYY=0010-0287), KSAS065227YYYYM2 (YYYY=0010-0286), KSAS065228YYYYM2 (YYYY=0010-0285), KSAS065229YYYYM2 (YYYY=0010-0283), KSAS065230YYYYM2 (YYYY=0010-0282), KSAS065231YYYYM2 (YYYY=0010-0281), KSAS065232YYYYM2 (YYYY=0010-0280), KSAS065233YYYYM2 (YYYY=0010-0278), KSAS065234YYYYM2 (YYYY=0010-0277), KSAS065235YYYYM2 (YYYY=0010-0276), KSAS065236YYYYM2 (YYYY=0010-0275), KSAS065237YYYYM2 (YYYY=0010-0274), KSAS065238YYYYM2 (YYYY=0010-0273), KSAS065239YYYYM2 (YYYY=0010-0271), KSAS065240YYYYM2 (YYYY=0010-0270), KSAS065260YYYYM2 (YYYY=0010-0250)

Switch mode power supplies, Model(s) KSADXXXYYYYW1US(cc), KSADXXXYYYYW1US-1(cc), KSADXXXYYYYW1UV-1(cc), KSAFF1200200-01T1M2, KSAFFxxxyyyyT1M2(dd), KSAFFxxxyyyyW1US(dd), KSAFFxxxyyyyW1UV-1(dd), KSAHXXXYYYYT1M3 (aa), KSAHXXXYYYYW1US(aa)

Switch Mode Power Supply, Model(s) KSAAxxxyyyyW1USseries, KSAAxxxyyyyW1UV-1 series, KSABXXXYYYY(a)(b)W1UV, KSABXXXYYYYW1US(a)(b), KSABXXXYYYYW1US-1(a)(b), KSACxxxyyyyW1US series, KSACxxxyyyyW1US-1 series, KSACxxxyyyyW1UV-1 series, KSAFHXXXYYYYW1US, KSAFHXXXYYYYT1M2 (X)(Y), KSAFHXXXYYYYT1M3(X)(Y), KSAFKXXXYYYYT1M2 (bb)

Switch mode power supply, Model(s) KSAH1200330T1M2

Switch Mode Power Supply, Model(s) KSAHXXXYYYYT1M3 \, KSAM2400200T1M2, KSAS045xxxyyyyHU (xxx=050-240, yyyy=0005-0500), KSAS045xxxyyyyM2 (xxx=050-240, yyyy=0005-0500)

Switch mode power supply, Model(s) KSLFC030yyyyW1US (yyyy=0001-0200), KSLFC030yyyyW1UV-1 (yyyy=0001-0200), KSLFC031yyyyW1US (yyyy=0001-0200), KSLFC031yyyyW1UV-1 (yyyy=0001-0200), KSLFC032yyyyW1US (yyyy=0001-0200), KSLFC032yyyyW1UV-1 (yyyy=0001-0200), KSLFC033yyyyW1US (yyyy=0001-0200), KSLFC033yyyyW1UV-1 (yyyy=0001-0200), KSLFC034yyyyW1US (yyyy=0001-0200), KSLFC034yyyyW1UV-1 (yyyy=0001-0200), KSLFC035yyyyW1US (yyyy=0001-0200), KSLFC035yyyyW1UV-1 (yyyy=0001-0200), KSLFC036yyyyW1US (yyyy=0001-0200), KSLFC036yyyyW1UV-1 (yyyy=0001-0200), KSLFC037yyyyW1US (yyyy=0001-0200), KSLFC037yyyyW1UV-1 (yyyy=0001-0200), KSLFC038yyyyW1US (yyyy=0001-0200), KSLFC038yyyyW1UV-1 (yyyy=0001-0200), KSLFC039yyyyW1US (yyyy=0001-0200), KSLFC039yyyyW1UV-1 (yyyy=0001-0200), KSLFC040yyyyW1US (yyyy=0001-0200), KSLFC040yyyyW1UV-1 (yyyy=0001-0200), KSLFC041yyyyW1US (yyyy=0001-0200), KSLFC041yyyyW1UV-1 (yyyy=0001-0200), KSLFC042yyyyW1US (yyyy=0001-0200), KSLFC042yyyyW1UV-1 (yyyy=0001-0200), KSLFC043yyyyW1US (yyyy=0001-0200), KSLFC043yyyyW1UV-1 (yyyy=0001-0200), KSLFC044yyyyW1US (yyyy=0001-0200), KSLFC044yyyyW1UV-1 (yyyy=0001-0200), KSLFC045yyyyW1US (yyyy=0001-0200), KSLFC045yyyyW1UV-1 (yyyy=0001-0200), KSLFC046yyyyW1US (yyyy=0001-0200), KSLFC046yyyyW1UV-1 (yyyy=0001-0200), KSLFC047yyyyW1US (yyyy=0001-0200), KSLFC047yyyyW1UV-1 (yyyy=0001-0200), KSLFC048yyyyW1US (yyyy=0001-0200), KSLFC048yyyyW1UV-1 (yyyy=0001-0200), KSLFC049yyyyW1US (yyyy=0001-0200), KSLFC049yyyyW1UV-1 (yyyy=0001-0200), KSLFC050yyyyW1US (yyyy=0001-0200), KSLFC050yyyyW1UV-1 (yyyy=0001-0200), KSLFC051yyyyW1US (yyyy=0001-0196), KSLFC051yyyyW1UV-1 (yyyy=0001-0196), KSLFC052yyyyW1US (yyyy=0001-0192), KSLFC052yyyyW1UV-1 (yyyy=0001-0192), KSLFC053yyyyW1US (yyyy=0001-0189), KSLFC053yyyyW1UV-1 (yyyy=0001-0189), KSLFC054yyyyW1US (yyyy=0001-0185), KSLFC054yyyyW1UV-1 (yyyy=0001-0185), KSLFC055yyyyW1US (yyyy=0001-0182), KSLFC055yyyyW1UV-1 (yyyy=0001-0182), KSLFC056yyyyW1US (yyyy=0001-0179), KSLFC056yyyyW1UV-1 (yyyy=0001-0179), KSLFC057yyyyW1US (yyyy=0001-0175), KSLFC057yyyyW1UV-1 (yyyy=0001-0175), KSLFC058yyyyW1US (yyyy=0001-0172), KSLFC058yyyyW1UV-1 (yyyy=0001-0172), KSLFC059yyyyW1US (yyyy=0001- 0170), KSLFC059yyyyW1UV-1 (yyyy=0001- 0170), KSLFC060yyyyW1US (yyyy=0001-0167), KSLFC060yyyyW1UV-1 (yyyy=0001-0167), KSLFC061yyyyW1US (yyyy=0001-0164), KSLFC061yyyyW1UV-1 (yyyy=0001-0164), KSLFC062yyyyW1US (yyyy=0001-0161), KSLFC062yyyyW1UV-1 (yyyy=0001-0161), KSLFC063yyyyW1US (yyyy=0001-0159), KSLFC063yyyyW1UV-1 (yyyy=0001-0159), KSLFC064yyyyW1US (yyyy=0001-0156), KSLFC064yyyyW1UV-1 (yyyy=0001-0156), KSLFC065yyyyW1US (yyyy=0001-0154), KSLFC065yyyyW1UV-1 (yyyy=0001-0154), KSLFC066yyyyW1US (yyyy=0001-0152), KSLFC066yyyyW1UV-1, (yyyy=0001-0152), KSLFC067yyyyW1US (yyyy=0001-0149), KSLFC067yyyyW1UV-1 (yyyy=0001-0149), KSLFC068yyyyW1US (yyyy=0001-0147), KSLFC068yyyyW1UV-1 (yyyy=0001-0147), KSLFC069yyyyW1US (yyyy=0001-0145), KSLFC069yyyyW1UV-1 (yyyy=0001-0145), KSLFC070yyyyW1US (yyyy=0001-0143), KSLFC070yyyyW1UV-1 (yyyy=0001-0143), KSLFC071yyyyW1US (yyyy=0001-0141), KSLFC071yyyyW1UV-1 (yyyy=0001-0141), KSLFC072yyyyW1US (yyyy=0001-0139), KSLFC072yyyyW1UV-1 (yyyy=0001-0139), KSLFC073yyyyW1US (yyyy=0001-0137), KSLFC073yyyyW1UV-1 (yyyy=0001-0137), KSLFC074yyyyW1US (yyyy=0001-0135), KSLFC074yyyyW1UV-1 (yyyy=0001-0135), KSLFC075yyyyW1US (yyyy=0001-0133), KSLFC075yyyyW1UV-1 (yyyy=0001-0133), KSLFC076yyyyW1US (yyyy=0001-0132), KSLFC077yyyyW1US (yyyy=0001-0130), KSLFC077yyyyW1UV-1 (yyyy=0001-0130), KSLFC078yyyyW1US (yyyy=0001-0128), KSLFC078yyyyW1UV-1 (yyyy=0001-0128), KSLFC079yyyyW1US (yyyy=0001-0127), KSLFC079yyyyW1UV-1 (yyyy=0001-0127), KSLFC080yyyyW1US (yyyy=0001-0125), KSLFC080yyyyW1UV-1 (yyyy=0001-0125), KSLFC081yyyyW1US (yyyy=0001-0124), KSLFC081yyyyW1UV-1 (yyyy=0001-0124), KSLFC082yyyyW1US (yyyy=0001-0122), KSLFC082yyyyW1UV-1 (yyyy=0001-0122), KSLFC083yyyyW1US (yyyy=0001-0121), KSLFC083yyyyW1UV-1 (yyyy=0001-0121), KSLFC084yyyyW1US (yyyy=0001-0119), KSLFC084yyyyW1UV-1 (yyyy=0001-0119), KSLFC085yyyyW1US (yyyy=0001-0118), KSLFC085yyyyW1UV-1 (yyyy=0001-0118), KSLFC086yyyyW1US (yyyy=0001-0116), KSLFC086yyyyW1UV-1 (yyyy=0001-0116), KSLFC087yyyyW1US (yyyy=0001-0115), KSLFC087yyyyW1UV-1(yyyy=0001-0115), KSLFC088yyyyW1US (yyyy=0001-0114), KSLFC088yyyyW1UV-1 (yyyy=0001-0114), KSLFC089yyyyW1US (yyyy=0001-0112), KSLFC089yyyyW1UV-1 (yyyy=0001-0112), KSLFC090yyyyW1US (yyyy=0001-0111), KSLFC090yyyyW1UV-1 (yyyy=0001-0111), KSLFC091yyyyW1US (yyyy=0001-0110), KSLFC091yyyyW1UV-1 (yyyy=0001-0110), KSLFC092yyyyW1US (yyyy=0001-0109), KSLFC092yyyyW1UV-1 (yyyy=0001-0109), KSLFC093yyyyW1US (yyyy=0001-0108), KSLFC093yyyyW1UV-1 (yyyy=0001-0108), KSLFC094yyyyW1US (yyyy=0001-0106), KSLFC094yyyyW1UV-1 (yyyy=0001-0106), KSLFC095yyyyW1US (yyyy=0001-0105), KSLFC095yyyyW1UV-1 (yyyy=0001-0105), KSLFC096yyyyW1US (yyyy=0001-0104), KSLFC096yyyyW1UV-1 (yyyy=0001-0104), KSLFC097yyyyW1US (yyyy=0001-0103), KSLFC097yyyyW1UV-1 (yyyy=0001-0103), KSLFC098yyyyW1US (yyyy=0001-0102), KSLFC098yyyyW1UV-1 (yyyy=0001-0102), KSLFC099yyyyW1US (yyyy=0001-0101), KSLFC099yyyyW1UV-1 (yyyy=0001-0101), KSLFC100yyyyW1US (yyyy=0001-0100), KSLFC100yyyyW1UV-1 (yyyy=0001-0100), KSLFC101yyyyW1US (yyyy=0001-0099), KSLFC101yyyyW1UV-1 (yyyy=0001-0099), KSLFC102yyyyW1US (yyyy=0001-0098), KSLFC102yyyyW1UV-1 (yyyy=0001-0098), KSLFC103yyyyW1US (yyyy=0001-0097), KSLFC103yyyyW1UV-1 (yyyy=0001-0097), KSLFC104yyyyW1US (yyyy=0001-0096), KSLFC104yyyyW1UV-1 (yyyy=0001-0096), KSLFC105yyyyW1US (yyyy=0001-0095), KSLFC105yyyyW1UV-1 (yyyy=0001-0095), KSLFC106yyyyW1US (yyyy=0001-0094), KSLFC106yyyyW1UV-1 (yyyy=0001-0094), KSLFC107yyyyW1US (yyyy=0001-0094), KSLFC107yyyyW1UV-1 (yyyy=0001-0094), KSLFC108yyyyW1US (yyyy=0001-0093), KSLFC108yyyyW1UV-1 (yyyy=0001-0093), KSLFC109yyyyW1US (yyyy=0001-0092), KSLFC109yyyyW1UV-1 (yyyy=0001-0092), KSLFC110yyyyW1US (yyyy=0001-0091), KSLFC110yyyyW1UV-1 (yyyy=0001-0091), KSLFC111yyyyW1US (yyyy=0001-0090), KSLFC111yyyyW1UV-1 (yyyy=0001-0090, KSLFC112yyyyW1US (yyyy=0001-0089), KSLFC112yyyyW1UV-1 (yyyy=0001-0089), KSLFC113yyyyW1US (yyyy=0001-0089), KSLFC113yyyyW1UV-1 (yyyy=0001-0089), KSLFC114yyyyW1US (yyyy=0001-0088), KSLFC114yyyyW1UV-1 (yyyy=0001-0088), KSLFC115yyyyW1US (yyyy=0001-0087), KSLFC115yyyyW1UV-1 (yyyy=0001-0087), KSLFC116yyyyW1US (yyyy=0001-0086), KSLFC116yyyyW1UV-1 (yyyy=0001-0086),

KSLFC117yyyyW1US (yyyy=0001-0086), KSLFC117yyyyW1UV-1 (yyyy=0001-0086), KSLFC118yyyyW1US (yyyy=0001-0085),
KSLFC118yyyyW1UV-1 (yyyy=0001-0085), KSLFC119yyyyW1US (yyyy=0001-0084), KSLFC119yyyyW1UV-1 (yyyy=0001-0084),
KSLFC120yyyyW1US (yyyy=0001-0101), KSLFC120yyyyW1UV-1 (yyyy=0001-0101), KSLFC121yyyyW1US (yyyy=0001-0099),
KSLFC121yyyyW1UV-1 (yyyy=0001-0099), KSLFC122yyyyW1US (yyyy=0001-0098), KSLFC122yyyyW1UV-1 (yyyy=0001-0098),
KSLFC123yyyyW1US (yyyy=0001-0098), KSLFC123yyyyW1UV-1 (yyyy=0001-0098), KSLFC124yyyyW1US (yyyy=0001-0097),
KSLFC124yyyyW1UV-1 (yyyy=0001-0097), KSLFC125yyyyW1US (yyyy=0001-0096), KSLFC125yyyyW1UV-1 (yyyy=0001-0096),
KSLFC126yyyyW1US (yyyy=0001-0095), KSLFC126yyyyW1UV-1 (yyyy=0001-0095), KSLFC127yyyyW1US (yyyy=0001-0095),
KSLFC127yyyyW1UV-1 (yyyy=0001-0095), KSLFC128yyyyW1US (yyyy=0001-0094), KSLFC128yyyyW1UV-1 (yyyy=0001-0094,
KSLFC129yyyyW1US (yyyy=0001-0093), KSLFC129yyyyW1UV-1 (yyyy=0001-0093), KSLFC130yyyyW1US (yyyy=0001-0092),
KSLFC130yyyyW1UV-1 (yyyy=0001-0092), KSLFC131yyyyW1US (yyyy=0001-0092), KSLFC131yyyyW1UV-1 (yyyy=0001-0092),
KSLFC132yyyyW1US (yyyy=0001-0091), KSLFC132yyyyW1UV-1 (yyyy=0001-0091), KSLFC133yyyyW1US (yyyy=0001-0090),
KSLFC133yyyyW1UV-1 (yyyy=0001-0090), KSLFC134yyyyW1US (yyyy=0001-0090), KSLFC134yyyyW1UV-1 (yyyy=0001-0090),
KSLFC135yyyyW1US (yyyy=0001-0090), KSLFC135yyyyW1UV-1 (yyyy=0001-0090), KSLFC136yyyyW1US (yyyy=0001-0088),
KSLFC136yyyyW1UV-1 (yyyy=0001-0088), KSLFC137yyyyW1US (yyyy=0001-0088), KSLFC137yyyyW1UV-1 (yyyy=0001-0088),
KSLFC138yyyyW1US (yyyy=0001-0087), KSLFC138yyyyW1UV-1 (yyyy=0001-0087), KSLFC139yyyyW1US (yyyy=0001-0086),
KSLFC139yyyyW1UV-1 (yyyy=0001-0086), KSLFC140yyyyW1US (yyyy=0001-0086), KSLFC140yyyyW1UV-1 (yyyy=0001-0086),
KSLFC141yyyyW1US (yyyy=0001-0085), KSLFC141yyyyW1UV-1 (yyyy=0001-0085), KSLFC142yyyyW1US (yyyy=0001-0085),
KSLFC142yyyyW1UV-1 (yyyy=0001-0085), KSLFC143yyyyW1US (yyyy=0001-0084), KSLFC143yyyyW1UV-1 (yyyy=0001-0084),
KSLFC144yyyyW1US (yyyy=0001-0083), KSLFC144yyyyW1UV-1 (yyyy=0001-0083), KSLFC145yyyyW1US (yyyy=0001-0083),
KSLFC145yyyyW1UV-1 (yyyy=0001-0083), KSLFC146yyyyW1US (yyyy=0001-0082), KSLFC146yyyyW1UV-1 (yyyy=0001-0082),
KSLFC147yyyyW1US (yyyy=0001-0082), KSLFC147yyyyW1UV-1 (yyyy=0001-0082), KSLFC148yyyyW1US (yyyy=0001-0081),
KSLFC148yyyyW1UV-1 (yyyy=0001-0081), KSLFC149yyyyW1US (yyyy=0001-0081), KSLFC149yyyyW1UV-1 (yyyy=0001-0081),
KSLFC150yyyyW1US (yyyy=0001-0080), KSLFC150yyyyW1UV-1 (yyyy=0001-0080), KSLFC151yyyyW1US (yyyy=0001-0080),
KSLFC151yyyyW1UV-1 (yyyy=0001-0080), KSLFC152yyyyW1US (yyyy=0001-0079), KSLFC152yyyyW1UV-1 (yyyy=0001-0079),
KSLFC153yyyyW1US (yyyy=0001-0078), KSLFC153yyyyW1UV-1 (yyyy=0001-0078), KSLFC154yyyyW1US (yyyy=0001-0078),
KSLFC154yyyyW1UV-1 (yyyy=0001-0078), KSLFC155yyyyW1US (yyyy=0001-0077), KSLFC155yyyyW1UV-1 (yyyy=0001-0077),
KSLFC156yyyyW1US (yyyy=0001-0077), KSLFC156yyyyW1UV-1 (yyyy=0001-0077), KSLFC157yyyyW1US (yyyy=0001-0076),
KSLFC157yyyyW1UV-1 (yyyy=0001-0076), KSLFC158yyyyW1US (yyyy=0001-0076), KSLFC158yyyyW1UV-1 (yyyy=0001-0076),
KSLFC159yyyyW1US (yyyy=0001-0076), KSLFC159yyyyW1UV-1 (yyyy=0001-0076), KSLFC1609yyyyW1UV-1 (yyyy=0001-0071),
KSLFC160yyyyW1US (yyyy=0001-0075), KSLFC160yyyyW1UV-1 (yyyy=0001-0075), KSLFC161yyyyW1US (yyyy=0001-0075),
KSLFC161yyyyW1UV-1 (yyyy=0001-0075), KSLFC162yyyyW1US (yyyy=0001-0074), KSLFC162yyyyW1UV-1 (yyyy=0001-0074,
KSLFC163yyyyW1US (yyyy=0001-0074), KSLFC163yyyyW1UV-1 (yyyy=0001-0074), KSLFC164yyyyW1US (yyyy=0001-0073),
KSLFC164yyyyW1UV-1 (yyyy=0001-0073), KSLFC165yyyyW1US (yyyy=0001-0073), KSLFC165yyyyW1UV-1 (yyyy=0001-0073),
KSLFC166yyyyW1US (yyyy=0001-0072), KSLFC166yyyyW1UV-1 (yyyy=0001-0072), KSLFC167yyyyW1US (yyyy=0001-0072),
KSLFC167yyyyW1UV-1 (yyyy=0001-0072), KSLFC168yyyyW1US (yyyy=0001-0071), KSLFC168yyyyW1UV-1 (yyyy=0001-0071),
KSLFC169yyyyW1US (yyyy=0001-0071), KSLFC170yyyyW1US (yyyy=0001-0071), KSLFC170yyyyW1UV-1 (yyyy=0001-0071),
KSLFC171yyyyW1US (yyyy=0001-0070), KSLFC171yyyyW1UV-1 (yyyy=0001-0070), KSLFC172yyyyW1US (yyyy=0001-0070),
KSLFC172yyyyW1UV-1 (yyyy=0001-0070), KSLFC173yyyyW1US (yyyy=0001-0069), KSLFC173yyyyW1UV-1 (yyyy=0001-0069),
KSLFC174yyyyW1US (yyyy=0001-0069), KSLFC174yyyyW1UV-1 (yyyy=0001-0069), KSLFC175yyyyW1US (yyyy=0001-0069),
KSLFC175yyyyW1UV-1 (yyyy=0001-0069), KSLFC176yyyyW1US (yyyy=0001-0068), KSLFC176yyyyW1UV-1 (yyyy=0001-0068),
KSLFC177yyyyW1US (yyyy=0001-0068), KSLFC177yyyyW1UV-1 (yyyy=0001-0068), KSLFC178yyyyW1US (yyyy=0001-0067),
KSLFC178yyyyW1UV-1 (yyyy=0001-0067), KSLFC179yyyyW1US (yyyy=0001-0067), KSLFC179yyyyW1UV-1 (yyyy=0001-0067),
KSLFC180yyyyW1US (yyyy=0001-0067), KSLFC180yyyyW1UV-1 (yyyy=0001-0067), KSLFC181yyyyW1US (yyyy=0001-0066),
KSLFC181yyyyW1UV-1 (yyyy=0001-0066), KSLFC182yyyyW1US (yyyy=0001-0066), KSLFC182yyyyW1UV-1 (yyyy=0001-0066),
KSLFC183yyyyW1US (yyyy=0001-0066), KSLFC183yyyyW1UV-1 (yyyy=0001-0066), KSLFC184yyyyW1US (yyyy=0001-0065),
KSLFC184yyyyW1UV-1 (yyyy=0001-0065), KSLFC185yyyyW1US (yyyy=0001-0065), KSLFC185yyyyW1UV-1 (yyyy=0001-0065),
KSLFC186yyyyW1US (yyyy=0001-0065), KSLFC186yyyyW1UV-1 (yyyy=0001-0065), KSLFC187yyyyW1US (yyyy=0001-0064),
KSLFC187yyyyW1UV-1 (yyyy=0001-0064), KSLFC188yyyyW1US (yyyy=0001-0064), KSLFC188yyyyW1UV-1 (yyyy=0001-0064),
KSLFC189yyyyW1US (yyyy=0001-0064), KSLFC189yyyyW1UV-1 (yyyy=0001-0064), KSLFC190yyyyW1US (yyyy=0001-0063),
KSLFC190yyyyW1UV-1 (yyyy=0001-0063), KSLFC191yyyyW1US (yyyy=0001-0063), KSLFC191yyyyW1UV-1, (yyyy=0001-0063),
KSLFC192yyyyW1US (yyyy=0001-0063), KSLFC192yyyyW1UV-1 (yyyy=0001-0063), KSLFC193yyyyW1US (yyyy=0001-0062),
KSLFC193yyyyW1UV-1 (yyyy=0001-0062), KSLFC194yyyyW1US (yyyy=0001-0062), KSLFC194yyyyW1UV-1 (yyyy=0001-0062),
KSLFC195yyyyW1US (yyyy=0001-0062), KSLFC195yyyyW1UV-1 (yyyy=0001-0062), KSLFC196yyyyW1US (yyyy=0001-0061),
KSLFC196yyyyW1UV-1 (yyyy=0001-0061), KSLFC197yyyyW1US (yyyy=0001-0061), KSLFC197yyyyW1UV-1 (yyyy=0001-0061),
KSLFC198yyyyW1US (yyyy=0001-0061), KSLFC198yyyyW1UV-1 (yyyy=0001-0061), KSLFC199yyyyW1US (yyyy=0001-0060),
KSLFC199yyyyW1UV-1 (yyyy=0001-0060), KSLFC200yyyyW1US (yyyy=0001-0060), KSLFC200yyyyW1UV-1 (yyyy=0001-0060),
KSLFC201yyyyW1US (yyyy=0001-0060), KSLFC201yyyyW1UV-1 (yyyy=0001-0060), KSLFC202yyyyW1US (yyyy=0001-0059),
KSLFC202yyyyW1UV-1 (yyyy=0001-0059), KSLFC203yyyyW1US (yyyy=0001-0059), KSLFC203yyyyW1UV-1 (yyyy=0001-0059),
KSLFC204yyyyW1US (yyyy=0001-0059), KSLFC204yyyyW1UV-1 (yyyy=0001-0059), KSLFC205yyyyW1US (yyyy=0001-0059),
KSLFC205yyyyW1UV-1 (yyyy=0001-0059), KSLFC206yyyyW1US (yyyy=0001-0058), KSLFC206yyyyW1UV-1 (yyyy=0001-0058),
KSLFC207yyyyW1US (yyyy=0001-0058), KSLFC207yyyyW1UV-1 (yyyy=0001-0058), KSLFC208yyyyW1US (yyyy=0001-0058),
KSLFC208yyyyW1UV-1 (yyyy=0001-0058), KSLFC209yyyyW1US (yyyy=0001-0057), KSLFC209yyyyW1UV-1 (yyyy=0001-0057),
KSLFC210yyyyW1US (yyyy=0001-0057), KSLFC210yyyyW1UV-1 (yyyy=0001-0057), KSLFC211yyyyW1US (yyyy=0001-0057),
KSLFC211yyyyW1UV-1 (yyyy=0001-0057), KSLFC212yyyyW1US (yyyy=0001-0057), KSLFC212yyyyW1UV-1 (yyyy=0001-0057),
KSLFC213yyyyW1US (yyyy=0001-0056), KSLFC213yyyyW1UV-1 (yyyy=0001-0056), KSLFC214yyyyW1US (yyyy=0001-0056),
KSLFC214yyyyW1UV-1 (yyyy=0001-0056), KSLFC215yyyyW1US (yyyy=0001-0056), KSLFC215yyyyW1UV-1 (yyyy=0001-0056),
KSLFC216yyyyW1US (yyyy=0001-0056), KSLFC216yyyyW1UV-1 (yyyy=0001-0056), KSLFC217yyyyW1US (yyyy=0001-0055),
KSLFC217yyyyW1UV-1 (yyyy=0001-0055), KSLFC218yyyyW1US (yyyy=0001-0055), KSLFC218yyyyW1UV-1 (yyyy=0001-0055),
KSLFC219yyyyW1US (yyyy=0001-0055), KSLFC219yyyyW1UV-1 (yyyy=0001-0055), KSLFC220yyyyW1US (yyyy=0001-0055),
KSLFC220yyyyW1UV-1 (yyyy=0001-0055), KSLFC221yyyyW1US (yyyy=0001-0054), KSLFC221yyyyW1UV-1 (yyyy=0001-0054),
KSLFC222yyyyW1US (yyyy=0001-0054), KSLFC222yyyyW1UV-1 (yyyy=0001-0054), KSLFC223yyyyW1US (yyyy=0001-0054),
KSLFC223yyyyW1UV-1 (yyyy=0001-0054), KSLFC224yyyyW1US (yyyy=0001-0054), KSLFC224yyyyW1UV-1 (yyyy=0001-0054),
KSLFC225yyyyW1US (yyyy=0001-0053), KSLFC225yyyyW1UV-1 (yyyy=0001-0053), KSLFC226yyyyW1US (yyyy=0001-0053),
KSLFC226yyyyW1UV-1 (yyyy=0001-0053), KSLFC227yyyyW1US (yyyy=0001-0053), KSLFC227yyyyW1UV-1 (yyyy=0001-0053),
KSLFC228yyyyW1US (yyyy=0001-0053), KSLFC228yyyyW1UV-1 (yyyy=0001-0053), KSLFC229yyyyW1US (yyyy=0001-0052),

KSLFC229yyyyW1UV-1 (yyyy=0001-0052), KSLFC230yyyyW1US (yyyy=0001-0052), KSLFC230yyyyW1UV-1, yyyy=0001-0052), KSLFC231yyyyW1US (yyyy=0001-0052), KSLFC231yyyyW1UV-1 (yyyy=0001-0052), KSLFC232yyyyW1US (yyyy=0001-0052), KSLFC232yyyyW1UV-1 (yyyy=0001-0052), KSLFC233yyyyW1US (yyyy=0001-0052), KSLFC233yyyyW1UV-1 (yyyy=0001-0052), KSLFC234yyyyW1US (yyyy=0001-0051), KSLFC234yyyyW1UV-1 (yyyy=0001-0051), KSLFC235yyyyW1US (yyyy=0001-0051), KSLFC235yyyyW1UV-1 (yyyy=0001-0051), KSLFC236yyyyW1US (yyyy=0001-0051), KSLFC236yyyyW1UV-1 (yyyy=0001-0051), KSLFC237yyyyW1US (yyyy=0001-0051), KSLFC237yyyyW1UV-1 (yyyy=0001-0051), KSLFC238yyyyW1US (yyyy=0001-0050), KSLFC238yyyyW1UV-1 (yyyy=0001-0050), KSLFC239yyyyW1US (yyyy=0001-0050), KSLFC239yyyyW1UV-1 (yyyy=0001-0050), KSLFC240yyyyW1US (yyyy=0001-0050), KSLFC240yyyyW1UV-1 (yyyy=0001-0050)

Switch Mode Power Supply, Model(s) KSLFD063yyyyW1US (yyyy could be 0005 to 0235), KSLFD063yyyyW1UV-1 (yyyy could be 0005 to 0235), KSLFD065yyyyW1US (yyyy could be 0005 to 0230), KSLFD065yyyyW1UV-1 (yyyy could be 0005 to 0230), KSLFD068yyyyW1US (yyyy could be 0005 to 0220), KSLFD068yyyyW1UV-1 (yyyy could be 0005 to 0220), KSLFD070yyyyW1US (yyyy could be 0005 to 0210), KSLFD070yyyyW1UV-1 (yyyy could be 0005 to 0210), KSLFD076yyyyW1US (yyyy could be 0005 to 0197), KSLFD076yyyyW1UV-1 (yyyy could be 0005 to 0197), KSLFD079yyyyW1US (yyyy could be 0005 to 0189), KSLFD079yyyyW1UV-1 (yyyy could be 0005 to 0189), KSLFD080yyyyW1US (yyyy could be 0005 to 0188), KSLFD080yyyyW1UV-1 (yyyy could be 0005 to 0188), KSLFD085yyyyW1US (yyyy could be 0005 to 0176), KSLFD085yyyyW1UV-1 (yyyy could be 0005 to 0176), KSLFD090yyyyW1US (yyyy could be 0005 to 0167),, KSLFD090yyyyW1UV-1 (yyyy could be 0005 to 0167), KSLFD095yyyyW1US (yyyy could be 0005 to 0158),, KSLFD095yyyyW1UV-1 (yyyy could be 0005 to 0158), KSLFD100yyyyW1US (yyyy could be 0005 to 0150),, KSLFD100yyyyW1UV-1 (yyyy could be 0005 to 0150), KSLFD105yyyyW1US (yyyy could be 0005 to 0143),, KSLFD105yyyyW1UV-1 (yyyy could be 0005 to 0143), KSLFD110yyyyW1US (yyyy could be 0005 to 0136), KSLFD110yyyyW1UV-1 (yyyy could be 0005 to 0136), KSLFD115yyyyW1US (yyyy could be 0005 to 0130),, KSLFD115yyyyW1UV-1 (yyyy could be 0005 to 0130), KSLFD119yyyyW1US (yyyy could be 0005 to 0126),, KSLFD119yyyyW1UV-1 (yyyy could be 0005 to 0126), KSLFD120yyyyW1US (yyyy could be 0005 to 0150),, KSLFD120yyyyW1UV-1 (yyyy could be 0005 to 0150), KSLFD125yyyyW1US (yyyy could be 0005 to 0144), KSLFD125yyyyW1UV-1 (yyyy could be 0005 to 0144), KSLFD130yyyyW1US (yyyy could be 0005 to 0138),, KSLFD130yyyyW1UV-1 (yyyy could be 0005 to 0138), KSLFD135yyyyW1US (yyyy could be 0005 to 0133),, KSLFD135yyyyW1UV-1 (yyyy could be 0005 to 0133), KSLFD140yyyyW1US (yyyy could be 0005 to 0129),, KSLFD140yyyyW1UV-1 (yyyy could be 0005 to 0129), KSLFD145yyyyW1US (yyyy could be 0005 to 0124),, KSLFD145yyyyW1UV-1 (yyyy could be 0005 to 0124), KSLFD150yyyyW1US (yyyy could be 0005 to 0120),, KSLFD150yyyyW1UV-1 (yyyy could be 0005 to 0120), KSLFD155yyyyW1US (yyyy could be 0005 to 0116),, KSLFD155yyyyW1UV-1 (yyyy could be 0005 to 0116), KSLFD160yyyyW1US (yyyy could be 0005 to 0113),, KSLFD160yyyyW1UV-1 (yyyy could be 0005 to 0113), KSLFD165yyyyW1US (yyyy could be 0005 to 0109),, KSLFD165yyyyW1UV-1 (yyyy could be 0005 to 0109), KSLFD175yyyyW1US (yyyy could be 0005 to 0103),, KSLFD175yyyyW1UV-1 (yyyy could be 0005 to 0103), KSLFD179yyyyW1US (yyyy could be 0005 to 0101),, KSLFD179yyyyW1UV-1 (yyyy could be 0005 to 0101), KSLFD180yyyyW1US (yyyy could be 0005 to 0100),, KSLFD180yyyyW1UV-1 (yyyy could be 0005 to 0100), KSLFD190yyyyW1US (yyyy could be 0005 to 0095),, KSLFD190yyyyW1UV-1 (yyyy could be 0005 to 0095), KSLFD195yyyyW1US (yyyy could be 0005 to 0092),, KSLFD195yyyyW1UV-1 (yyyy could be 0005 to 0092), KSLFD200yyyyW1US (yyyy could be 0005 to 0090),, KSLFD200yyyyW1UV-1 (yyyy could be 0005 to 0090), KSLFD205yyyyW1US (yyyy could be 0005 to 0088),, KSLFD205yyyyW1UV-1 (yyyy could be 0005 to 0088), KSLFD210yyyyW1US (yyyy could be 0005 to 0086),, KSLFD210yyyyW1UV-1 (yyyy could be 0005 to 0086), KSLFD215yyyyW1US (yyyy could be 0005 to 0084),, KSLFD215yyyyW1UV-1 (yyyy could be 0005 to 0084), KSLFD220yyyyW1US (yyyy could be 0005 to 0082),, KSLFD220yyyyW1UV-1 (yyyy could be 0005 to 0082), KSLFD225yyyyW1US (yyyy could be 0005 to 0080),, KSLFD225yyyyW1UV-1 (yyyy could be 0005 to 0080), KSLFD230yyyyW1US (yyyy could be 0005 to 0078),, KSLFD230yyyyW1UV-1 (yyyy could be 0005 to 0078), KSLFD235yyyyW1US (yyyy could be 0005 to 0077),, KSLFD235yyyyW1UV-1 (yyyy could be 0005 to 0077), KSLFD240yyyyW1US (yyyy could be 0005 to 0075),, KSLFD240yyyyW1zUV-1 (yyyy could be 0005 to 0075), KSLFDxxxyyyyW1US (xxx could be 030 to 052, yyyy could be 0005 to 0250), KSLFDxxxyyyyW1US (xxx could be 053 to 060, yyyy could be 0005 to 0245), KSLFDxxxyyyyW1US (xxx could be 073 to 075, YYY could be 0005 to 0200), KSLFDxxxyyyyW1US (xxx could be 169 to 170, yyyy could be 0005 to 0106),, KSLFDxxxyyyyW1US (xxx could be 185 to 186, yyyy could be 0005 to 0097),, KSLFDxxxyyyyW1UV-1 (xxx could be 030 to 052, yyyy could be 0005 to 0250), KSLFDxxxyyyyW1UV-1 (xxx could be 053 to 060, yyyy could be 0005 to 0245), KSLFDxxxyyyyW1UV-1 (xxx could be 073 to 075, YYY could be 0005 to 0200), KSLFDxxxyyyyW1UV-1 (xxx could be 169 to 170, yyyy could be 0005 to 0106), KSLFDxxxyyyyW1UV-1 (xxx could be 185 to 186, yyyy could be 0005 to 0097)

SWITCH MODE POWER SUPPLY, Model(s) KSUS060xxxyyyyM2 (xxx=160-240, indicates rated output voltage 16-24 Vdc; yyyy=0005-0375, indicates rated output current range 50-3750 mA. Maximum output power 65.052W).

Switching Adapters, Model(s) KSAEXXXYYYYT1M2 (c), KSAEXXXYYYYT1M3 (c), KSAEXXXYYYYW1US (c), KSAEXXXYYYYW1UV (c)

Switching Power Supplies, Model(s) KSAFE0300310T1M2, KSAFE0300320T1M2, KSAFE0300330T1M2, KSAFE0300340T1M2, KSAFE0300350T1M2, KSAFE0300360T1M2, KSAFE0300370T1M2, KSAFE0300380T1M2, KSAFE0300390T1M2, KSAFE0300400T1M2, KSAFE0310310T1M2, KSAFE0310320T1M2, KSAFE0310330T1M2, KSAFE0310340T1M2, KSAFE0310350T1M2, KSAFE0310360T1M2, KSAFE0310370T1M2, KSAFE0310380T1M2, KSAFE0310390T1M2, KSAFE0310400T1M2, KSAFE0320310T1M2, KSAFE0320320T1M2, KSAFE0320330T1M2, KSAFE0320340T1M2, KSAFE0320350T1M2, KSAFE0320360T1M2, KSAFE0320370T1M2, KSAFE0320380T1M2, KSAFE0320390T1M2, KSAFE0320400T1M2, KSAFE0330310T1M2, KSAFE0330320T1M2, KSAFE0330330T1M2, KSAFE0330340T1M2, KSAFE0330350T1M2, KSAFE0330360T1M2, KSAFE0330370T1M2, KSAFE0330380T1M2, KSAFE0330390T1M2, KSAFE0330400T1M2, KSAFE0340310T1M2, KSAFE0340320T1M2, KSAFE0340330T1M2, KSAFE0340340T1M2, KSAFE0340350T1M2, KSAFE0340360T1M2, KSAFE0340370T1M2, KSAFE0340380T1M2, KSAFE0340390T1M2, KSAFE0340400T1M2, KSAFE0350310T1M2, KSAFE0350320T1M2, KSAFE0350330T1M2, KSAFE0350340T1M2, KSAFE0350350T1M2, KSAFE0350360T1M2, KSAFE0350370T1M2, KSAFE0350380T1M2, KSAFE0350390T1M2, KSAFE0350400T1M2, KSAFE0360310T1M2, KSAFE0360320T1M2, KSAFE0360330T1M2, KSAFE0360340T1M2, KSAFE0360350T1M2, KSAFE0360360T1M2, KSAFE0360370T1M2, KSAFE0360380T1M2, KSAFE0360390T1M2, KSAFE0360400T1M2, KSAFE0370310T1M2, KSAFE0370320T1M2, KSAFE0370330T1M2, KSAFE0370340T1M2, KSAFE0370350T1M2, KSAFE0370360T1M2, KSAFE0370370T1M2, KSAFE0370380T1M2, KSAFE0370390T1M2, KSAFE0370400T1M2, KSAFE0380310T1M2, KSAFE0380320T1M2, KSAFE0380330T1M2, KSAFE0380340T1M2, KSAFE0380350T1M2, KSAFE0380360T1M2, KSAFE0380370T1M2, KSAFE0380380T1M2, KSAFE0380390T1M2, KSAFE0380400T1M2, KSAFE0390310T1M2, KSAFE0390320T1M2, KSAFE0390330T1M2, KSAFE0390340T1M2, KSAFE0390350T1M2, KSAFE0390360T1M2, KSAFE0390370T1M2, KSAFE0390380T1M2, KSAFE0390390T1M2, KSAFE0390400T1M2,

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Switching Power Supply, Model(s) KSAFExxxyyyyW1UV-1 Series

Model(s) KSAFE0630200T1M2, KSAFE0630210T1M2, KSAFE0630220T1M2, KSAFE0630230T1M2, KSAFE0630240T1M2, KSAFE0630250T1M2, KSAFE0630260T1M2, KSAFE0630270T1M2, KSAFE0630280T1M2, KSAFE0630290T1M2

! - YYYY=0250-0500

- YYYY=0300-0500

% - YYYY=0350-0533

& - YYYY=0250-0375

() - YYYY=0400-0588

(a) - Where XXX = 030-120

(aa) - Where "XXX" can be 050-240; where "YYYY" can be 0005-0600

(b) - Where YYYY = 0001-0120

(bb) - Where "XXX" can be 120-240; Where "YYYY" can be 0250-0625

(c) - Where "XXX" can be 030-240; where "YYYY" can be 0005-0420.

(cc) - Where "XXX" can be 030-240; Where "YYYY" can be 0005-0240

(d) - Where xxx can be 030-480; yyyy can be 0010-0400.

(dd) - XXX=030-240, yyyy=0005-0400

(f) - Where XXX= 028 - 240, YYYY = 0001 - 0200.

(ff) - XXX=028-120, yyyy=0001- 0100)

(X) - Can be 050 to 240

(Y) - Can be 0100 to 0500

- - YYYY=0005-0425

/ - YYYY=0005-0398

0 - YYYY=0005 can be 0200 to 0500

1 - Where XXX= 028 - 240, YYYY = 0001 - 0200

2 - Where XXX=028-240, YYYY=0001- 0100

3 - YYYY=0005-0413

4 - YYYY=0005-0409

5 - YYYY=0005-0405

6 - YYYY=0005-0402

7 - YYYY=0005-0600

8 - YYYY=0005-0590

9 - YYYY=0005-0580

: - YYYY=0250-0486

= - YYYY=0350-0571

> - YYYY+0250-0409

@ - YYYY=0400-0625

E - YYYY=0005-0466

G - YYYY=0005-0500

H - YYYY=0005-0514

I - YYYY=0005-0450

J - YYYY=0005-0437

K - YYYY=0005-0476

L - YYYY=0005-0441

M - YYYY=0005-0530

N - YYYY=0005-0471

O - YYYY=0005-0433

P - YYYY=0005-0455

Q - YYYY=0005-0460

S - YYYY=0005-0446

T - YYYY=0005-0521

U - YYYY=0005-0507

V - YYYY=0005-0480

W - YYYY=0005-0550

Z - YYYY=0005-0570

\ - Where "XXX" can be 050-240; where "YYYY" can be 0005-0600

_ - YYYY=0250-0540

~ - YYYY=0250-0474

Last Updated on 2010-10-15

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NSW OFFICE OF Fair Trading DEPARTMENT OF COMMERCE for consumers & traders

The Manager
Kuantech [Shenzhen] Co Ltd
C/- Mr Victor Meng, I-Test Laboratory
R13-14, 14F, Bl A, Huajing Software Pk
No 89, ZhongShan Da dao
GUANGZHOU GUANGDONG 510630 CHINA

File Ref: 23839/1
Contact: Admin Clerk
Telephone: 02 8467 4464
Fax: 02 8467 4446

Dear Sir/Madam

CERTIFICATE OF APPROVAL: 23839 AND MODIFICATION/S

Power Supply or Charger

Please find enclosed a Certificate of Approval and addendum as sought by your application.

Articles of the approved type/s may now be marketed in any State or Territory of Australia, provided they are marked with-

(a) the mark (or marks) shown on the Certificate; or
(b) the Regulatory Compliance Mark (RCM) provided that the requirements of all relevant parts of AS/NZS 4417 applicable to the article are fulfilled.

THE APPROVAL EXPIRES ON THE DATE SHOWN ON THE CERTIFICATE unless it is renewed, extended, suspended or cancelled.

Any sample/s held by the Office should be collected within fifteen (15) days of this letter or the sample/s will be destroyed.

Yours faithfully

for Commissioner for Fair Trading
01 September 2008

Safety and Standards Branch, Office of Fair Trading, Bradfield Road, Lindfield West
Email: energyapprovals@oft.commerce.nsw.gov.au
www.fairtrading.nsw.gov.au 13 32 20

NSW OFFICE OF Fair Trading DEPARTMENT OF COMMERCE for consumers & traders

Certificate Number: 23839

CERTIFICATE OF APPROVAL

ISSUED PURSUANT TO THE ELECTRICITY (CONSUMER SAFETY) ACT 2004

ISSUED TO:

Kuantech [Shenzhen] Co Ltd

CLASS OF ARTICLE:

Power Supply or Charger

DESCRIPTION OF ARTICLE:

A series of switching power supplies housed in thermoplastic enclosures and provided with plug portions complying with Appendix J in AS/NZS3112:2004 for mounting in a horizontal aspect.
Trade name:'Ktec'.
Input: 100-240V, 50/60Hz, 0.4A.
Output: Denoted in the model number by the letters 'XXX' and 'YYYY' such that 'XXX' can be 030-240 indicating DC voltages ranging between 3.0V to 24.0V and 'YYYY can be 0001 to 0200 indicating currents ranging between 10mA to 2000mA.
Protection class II

EXAMINED FOR COMPLIANCE WITH: AS/NZS60950.1:2003

TYPE REFERENCE CODE: KSAS010XXXYYYYHA Series

APPROVAL MARK:

Each electrical article of the abovementioned type shall be marked with Approval Number NSW23839 ;or
the Regulatory Compliance Mark (RCM) provided that the requirements of all relevant parts of AS/NZS 4417 applicable to the article are fulfilled.

DATE OF APPROVAL: 01 September 2008
This approval expires 01 September 2013 unless suspended, cancelled, renewed or extended.

for Commissioner for Fair Trading

NSW OFFICE OF
Fair Trading
DEPARTMENT OF COMMERCE

for consumers & traders

Ref: 23839/1

ADDENDUM TO CERTIFICATE OF APPROVAL 23839

Particulars of Modification(s)

KSAS010XXXYYYYVA Series similar to KSAS010XXXYYYYHA Series but for mounting in a vertical aspect.

KSAS010XXXYYYYD5 Series similar to KSAS010XXXYYYYHA Series but having a detachable plug portion.

Approved: 01 September 2008

for Commissioner for Fair Trading

Safety and Standards Branch, Office of Fair Trading, Bradfield Road, Lindfield West
Email: energyapprovals@oft.commerce.nsw.gov.au
www.fairtrading.nsw.gov.au 13 32 20

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Product Service

CERTIFICATE

No. Z1 10 08 48694 922

Holder of Certificate: **Kuantech (Shenzhen) Co., Ltd.**
6th Honghua Road,Gongming Town
Baoan District, Shenzhen
PEOPLE'S REPUBLIC OF CHINA

Production Facility(ies): 64970

Certification Mark:

Product: **Switch mode power supplies**

Model(s): **KSAS010xxxyyyyHE, KSAS010xxxyyyyVE , KSAS010xxxyyyyHK, KSAS010xxxyyyyVK , KSAS010xxxyyyyD5: xxx=030-240 indicates rated output voltage range 3,0-24,0V d.c.; yyyy=0001-0200 indicates rated output current range 10-2000mA**

Parameters:

Rated voltage:	100-240 V
Rated frequency:	50/60 Hz
Rated current:	0,4 A
Rated output voltage:	3,0-24,0 V d.c.
Rated output current:	10-2000 mA
Protection class:	II
Degree of protection:	IPX0
Remark:	See page 2-37 for output details.

Tested according to: EN 60950-1/A11:2009
BS EN 60950-1/A11:2009

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 6421008039502

Date, 2010-08-18 (Shaoliang Liu)

Page 1 of 37

430354

A1 / 12.09

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Product Service

CERTIFICATE

No. Z1 10 08 48694 922

KSAS010xxxyyyyHE, KSAS010xxxyyyyVE , KSAS010xxxyyyyHK, KSAS010xxxyyyyVK , KSAS010xxxyyyyD5: xxx=030-240 indicates rated output voltage range 3,0-24,0V d.c.; yyyy=0001-0200 indicates rated output current range 10-2000mA

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010030yyyyHE KSAS010030yyyyVE KSAS010030yyyyD5 (yyyy=0005-0200)	3,0	50-2000
KSAS010031yyyyHE KSAS010031yyyyVE KSAS010031yyyyD5 (yyyy=0005-0200)	3,1	50-2000
KSAS010032yyyyHE KSAS010032yyyyVE KSAS010032yyyyD5 (yyyy=0005-0200)	3,2	50-2000
KSAS010033yyyyHE KSAS010033yyyyVE KSAS010033yyyyD5 (yyyy=0005-0200)	3,3	50-2000
KSAS010034yyyyHE KSAS010034yyyyVE KSAS010034yyyyD5 (yyyy=0005-0200)	3,4	50-2000
KSAS010035yyyyHE KSAS010035yyyyVE KSAS010035yyyyD5 (yyyy=0005-0200)	3,5	50-2000
KSAS010036yyyyHE KSAS010036yyyyVE KSAS010036yyyyD5 (yyyy=0005-0200)	3,6	50-2000
KSAS010037yyyyHE KSAS010037yyyyVE KSAS010037yyyyD5 (yyyy=0005-0200)	3,7	50-2000
KSAS010038yyyyHE KSAS010038yyyyVE KSAS010038yyyyD5 (yyyy=0005-0200)	3,8	50-2000
KSAS010039yyyyHE KSAS010039yyyyVE KSAS010039yyyyD5 (yyyy=0005-0200)	3,9	50-2000

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010040yyyyHE KSAS010040yyyyVE KSAS010040yyyyD5 (yyyy=0005-0200)	4,0	50-2000
KSAS010041yyyyHE KSAS010041yyyyVE KSAS010041yyyyD5 (yyyy=0005-0200)	4,1	50-2000
KSAS010042yyyyHE KSAS010042yyyyVE KSAS010042yyyyD5 (yyyy=0005-0200)	4,2	50-2000
KSAS010043yyyyHE KSAS010043yyyyVE KSAS010043yyyyD5 (yyyy=0005-0200)	4,3	50-2000
KSAS010044yyyyHE KSAS010044yyyyVE KSAS010044yyyyD5 (yyyy=0005-0200)	4,4	50-2000
KSAS010045yyyyHE KSAS010045yyyyVE KSAS010045yyyyD5 (yyyy=0005-0200)	4,5	50-2000
KSAS010046yyyyHE KSAS010046yyyyVE KSAS010046yyyyD5 (yyyy=0005-0200)	4,6	50-2000
KSAS010047yyyyHE KSAS010047yyyyVE KSAS010047yyyyD5 (yyyy=0005-0200)	4,7	50-2000
KSAS010048yyyyHE KSAS010048yyyyVE KSAS010048yyyyD5 (yyyy=0005-0200)	4,8	50-2000
KSAS010049yyyyHE KSAS010049yyyyVE KSAS010049yyyyD5 (yyyy=0005-0200)	4,9	50-2000
KSAS010050yyyyHE KSAS010050yyyyVE KSAS010050yyyyD5 (yyyy=0005-0200)	5,0	50-2000

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010051yyyyHE KSAS010051yyyyVE KSAS010051yyyyD5 (yyyy=0005-0196)	5,1	50-1960
KSAS010052yyyyHE KSAS010052yyyyVE KSAS010052yyyyD5 (yyyy=0005-0192)	5,2	50-1920
KSAS010053yyyyHE KSAS010053yyyyVE KSAS010053yyyyD5 (yyyy=0005-0189)	5,3	50-1890
KSAS010054yyyyHE KSAS010054yyyyVE KSAS010054yyyyD5 (yyyy=0005-0185)	5,4	50-1850
KSAS010055yyyyHE KSAS010055yyyyVE KSAS010055yyyyD5 (yyyy=0005-0182)	5,5	50-1820
KSAS010056yyyyHE KSAS010056yyyyVE KSAS010056yyyyD5 (yyyy=0005-0179)	5,6	50-1790
KSAS010057yyyyHE KSAS010057yyyyVE KSAS010057yyyyD5 (yyyy=0005-0175)	5,7	50-1750
KSAS010058yyyyHE KSAS010058yyyyVE KSAS010058yyyyD5 (yyyy=0005-0172)	5,8	50-1720
KSAS010059yyyyHE KSAS010059yyyyVE KSAS010059yyyyD5 (yyyy=0005-0170)	5,9	50-1700
KSAS010060yyyyHE KSAS010060yyyyVE KSAS010060yyyyD5 (yyyy=0005-0167)	6,0	50-1670
KSAS010061yyyyHE KSAS010061yyyyVE KSAS010061yyyyD5 (yyyy=0005-0164)	6,1	50-1640

A1 / 12.08

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010062yyyyHE KSAS010062yyyyVE KSAS010062yyyyD5 (yyyy=0005-0161)	6,2	50-1610
KSAS010063yyyyHE KSAS010063yyyyVE KSAS010063yyyyD5 (yyyy=0005-0159)	6,3	50-1590
KSAS010064yyyyHE KSAS010064yyyyVE KSAS010064yyyyD5 (yyyy=0005-0156)	6,4	50-1560
KSAS010065yyyyHE KSAS010065yyyyVE KSAS010065yyyyD5 (yyyy=0005-0154)	6,5	50-1540
KSAS010066yyyyHE KSAS010066yyyyVE KSAS010066yyyyD5 (yyyy=0005-0152)	6,6	50-1520
KSAS010067yyyyHE KSAS010067yyyyVE KSAS010067yyyyD5 (yyyy=0005-0149)	6,7	50-1490
KSAS010068yyyyHE KSAS010068yyyyVE KSAS010068yyyyD5 (yyyy=0005-0147)	6,8	50-1470
KSAS010069yyyyHE KSAS010069yyyyVE KSAS010069yyyyD5 (yyyy=0005-0145)	6,9	50-1450
KSAS010070yyyyHE KSAS010070yyyyVE KSAS010070yyyyD5 (yyyy=0005-0143)	7,0	50-1430
KSAS010071yyyyHE KSAS010071yyyyVE KSAS010071yyyyD5 (yyyy=0005-0141)	7,1	50-1410
KSAS010072yyyyHE KSAS010072yyyyVE KSAS010072yyyyD5 (yyyy=0005-0139)	7,2	50-1390

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010073yyyyHE KSAS010073yyyyVE KSAS010073yyyyD5 (yyyy=0005-0137)	7,3	50-1370
KSAS010074yyyyHE KSAS010074yyyyVE KSAS010074yyyyD5 (yyyy=0005-0135)	7,4	50-1350
KSAS010075yyyyHE KSAS010075yyyyVE KSAS010075yyyyD5 (yyyy-0002-0133)	7,5	20-1330
KSAS010076yyyyHE KSAS010076yyyyVE KSAS010076yyyyD5 (yyyy-0002-0132)	7,6	20-1320
KSAS010077yyyyHE KSAS010077yyyyVE KSAS010077yyyyD5 (yyyy=0002-0130)	7,7	20-1300
KSAS010078yyyyHE KSAS010078yyyyVE KSAS010078yyyyD5 (yyyy=0002-0128)	7,8	20-1280
KSAS010079yyyyHE KSAS010079yyyyVE KSAS010079yyyyD5 (yyyy=0002-0127)	7,9	20-1270
KSAS010080yyyyHE KSAS010080yyyyVE KSAS010080yyyyD5 (yyyy=0002-0125)	8,0	20-1250
KSAS010081yyyyHE KSAS010081yyyyVE KSAS010081yyyyD5 (yyyy=0002-0124)	8,1	20-1240
KSAS010082yyyyHE KSAS010082yyyyVE KSAS010082yyyyD5 (yyyy=0002-0122)	8,2	20-1220
KSAS010083yyyyHE KSAS010083yyyyVE KSAS010083yyyyD5 (yyyy=0002-0121)	8,3	20-1210

A1 / 13.09

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010084yyyyHE KSAS010084yyyyVE KSAS010084yyyyD5 (yyyy=0002-0119)	8,4	20-1190
KSAS010085yyyyHE KSAS010085yyyyVE KSAS010085yyyyD5 (yyyy=0002-0118)	8,5	20-1180
KSAS010086yyyyHE KSAS010086yyyyVE KSAS010086yyyyD5 (yyyy=0002-0116)	8,6	20-1160
KSAS010087yyyyHE KSAS010087yyyyVE KSAS010087yyyyD5 (yyyy=0002-0115)	8,7	20-1150
KSAS010088yyyyHE KSAS010088yyyyVE KSAS010088yyyyD5 (yyyy=0002-0114)	8,8	20-1140
KSAS010089yyyyHE KSAS010089yyyyVE KSAS010089yyyyD5 (yyyy=0002-0112)	8,9	20-1120
KSAS010090yyyyHE KSAS010090yyyyVE KSAS010090yyyyD5 (yyyy=0002-0111)	9,0	20-1110
KSAS010091yyyyHE KSAS010091yyyyVE KSAS010091yyyyD5 (yyyy=0002-0110)	9,1	20-1100
KSAS010092yyyyHE KSAS010092yyyyVE KSAS010092yyyyD5 (yyyy=0002-0109)	9,2	20-1090
KSAS010093yyyyHE KSAS010093yyyyVE KSAS010093yyyyD5 (yyyy=0002-0108)	9,3	20-1080
KSAS010094yyyyHE KSAS010094yyyyVE KSAS010094yyyyD5 (yyyy=0002-0106)	9,4	20-1060

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010095yyyyHE KSAS010095yyyyVE KSAS010095yyyyD5 (yyyy=0002-0105)	9,5	20-1050
KSAS010096yyyyHE KSAS010096yyyyVE KSAS010096yyyyD5 (yyyy=0002-0104)	9,6	20-1040
KSAS010097yyyyHE KSAS010097yyyyVE KSAS010097yyyyD5 (yyyy=0002-0103)	9,7	20-1030
KSAS010098yyyyHE KSAS010098yyyyVE KSAS010098yyyyD5 (yyyy=0002-0102)	9,8	20-1020
KSAS010099yyyyHE KSAS010099yyyyVE KSAS010099yyyyD5 (yyyy=0002-0101)	9,9	20-1010
KSAS010100yyyyHE KSAS010100yyyyVE KSAS010100yyyyD5 (yyyy=0002-0100)	10,0	20-1000
KSAS010101yyyyHE KSAS010101yyyyVE KSAS010101yyyyD5 (yyyy=0002-0099)	10,1	20-990
KSAS010102yyyyHE KSAS010102yyyyVE KSAS010102yyyyD5 (yyyy=0002-0098)	10,2	20-980
KSAS010103yyyyHE KSAS010103yyyyVE KSAS010103yyyyD5 (yyyy=0002-0097)	10,3	20-970
KSAS010104yyyyHE KSAS010104yyyyVE KSAS010104yyyyD5 (yyyy=0002-0096)	10,4	20-960
KSAS010105yyyyHE KSAS010105yyyyVE KSAS010105yyyyD5 (yyyy=0002-0095)	10,5	20-950

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010106yyyyHE KSAS010106yyyyVE KSAS010106yyyyD5 (yyyy=0002-0094)	10,6	20-940
KSAS010107yyyyHE KSAS010107yyyyVE KSAS010107yyyyD5 (yyyy=0002-0094)	10,7	20-940
KSAS010108yyyyHE KSAS010108yyyyVE KSAS010108yyyyD5 (yyyy=0002-0093)	10,8	20-930
KSAS010109yyyyHE KSAS010109yyyyVE KSAS010109yyyyD5 (yyyy=0002-0092)	10,9	20-920
KSAS010110yyyyHE KSAS010110yyyyVE KSAS010110yyyyD5 (yyyy=0002-0091)	11,0	20-910
KSAS010111yyyyHE KSAS010111yyyyVE KSAS010111yyyyD5 (yyyy=0002-0090)	11,1	20-900
KSAS010112yyyyHE KSAS010112yyyyVE KSAS010112yyyyD5 (yyyy=0002-0089)	11,2	20-890
KSAS010113yyyyHE KSAS010113yyyyVE KSAS010113yyyyD5 (yyyy=0002-0089)	11,3	20-890
KSAS010114yyyyHE KSAS010114yyyyVE KSAS010114yyyyD5 (yyyy=0002-0088)	11,4	20-880
KSAS010115yyyyHE KSAS010115yyyyVE KSAS010115yyyyD5 (yyyy=0002-0087)	11,5	20-870
KSAS010116yyyyHE KSAS010116yyyyVE KSAS010116yyyyD5 (yyyy=0002-0086)	11,6	20-860

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CERTIFICATE

No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010117yyyyHE KSAS010117yyyyVE KSAS010117yyyyD5 (yyyy=0002-0086)	11,7	20-860
KSAS010118yyyyHE KSAS010118yyyyVE KSAS010118yyyyD5 (yyyy=0002-0085)	11,8	20-850
KSAS010119yyyyHE KSAS010119yyyyVE KSAS010119yyyyD5 (yyyy=0002-0084)	11,9	20-840
KSAS010120yyyyHE KSAS010120yyyyVE KSAS010120yyyyD5 (yyyy=0002-0100)	12,0	20-1000
KSAS010121yyyyHE KSAS010121yyyyVE KSAS010121yyyyD5 (yyyy=0002-0099)	12,1	20-990
KSAS010122yyyyHE KSAS010122yyyyVE KSAS010122yyyyD5 (yyyy=0002-0098)	12,2	20-980
KSAS010123yyyyHE KSAS010123yyyyVE KSAS010123yyyyD5 (yyyy=0002-0097)	12,3	20-970
KSAS010124yyyyHE KSAS010124yyyyVE KSAS010124yyyyD5 (yyyy=0002-0096)	12,4	20-960
KSAS010125yyyyHE KSAS010125yyyyVE KSAS010125yyyyD5 (yyyy=0002-0096)	12,5	20-960
KSAS010126yyyyHE KSAS010126yyyyVE KSAS010126yyyyD5 (yyyy=0002-0095)	12,6	20-950
KSAS010127yyyyHE KSAS010127yyyyVE KSAS010127yyyyD5 (yyyy=0002-0094)	12,7	20-940

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010128yyyyHE KSAS010128yyyyVE KSAS010128yyyyD5 (yyyy=0002-0093)	12,8	20-930
KSAS010129yyyyHE KSAS010129yyyyVE KSAS010129yyyyD5 (yyyy=0002-0093)	12,9	20-930
KSAS010130yyyyHE KSAS010130yyyyVE KSAS010130yyyyD5 (yyyy=0002-0092)	13,0	20-920
KSAS010131yyyyHE KSAS010131yyyyVE KSAS010131yyyyD5 (yyyy=0002-0091)	13,1	20-910
KSAS010132yyyyHE KSAS010132yyyyVE KSAS010132yyyyD5 (yyyy=0002-0090)	13,2	20-900
KSAS010133yyyyHE KSAS010133yyyyVE KSAS010133yyyyD5 (yyyy=0002-0090)	13,3	20-900
KSAS010134yyyyHE KSAS010134yyyyVE KSAS010134yyyyD5 (yyyy=0002-0089)	13,4	20-890
KSAS010135yyyyHE KSAS010135yyyyVE KSAS010135yyyyD5 (yyyy=0002-0088)	13,5	20-880
KSAS010136yyyyHE KSAS010136yyyyVE KSAS010136yyyyD5 (yyyy=0002-0088)	13,6	20-880
KSAS010137yyyyHE KSAS010137yyyyVE KSAS010137yyyyD5 (yyyy=0002-0087)	13,7	20-870
KSAS010138yyyyHE KSAS010138yyyyVE KSAS010138yyyyD5 (yyyy=0002-0086)	13,8	20-860

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Product Service

CERTIFICATE

No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010139yyyyHE KSAS010139yyyyVE KSAS010139yyyyD5 (yyyy=0002-0086)	13,9	20-860
KSAS010140yyyyHE KSAS010140yyyyVE KSAS010140yyyyD5 (yyyy=0002-0085)	14,0	20-850
KSAS010141yyyyHE KSAS010141yyyyVE KSAS010141yyyyD5 (yyyy=0002-0085)	14,1	20-850
KSAS010142yyyyHE KSAS010142yyyyVE KSAS010142yyyyD5 (yyyy=0002-0084)	14,2	20-840
KSAS010143yyyyHE KSAS010143yyyyVE KSAS010143yyyyD5 (yyyy=0002-0083)	14,3	20-830
KSAS010144yyyyHE KSAS010144yyyyVE KSAS010144yyyyD5 (yyyy=0002-0083)	14,4	20-830
KSAS010145yyyyHE KSAS010145yyyyVE KSAS010145yyyyD5 (yyyy=0002-0082)	14,5	20-820
KSAS010146yyyyHE KSAS010146yyyyVE KSAS010146yyyyD5 (yyyy=0002-0082)	14,6	20-820
KSAS010147yyyyHE KSAS010147yyyyVE KSAS010147yyyyD5 (yyyy=0002-0081)	14,7	20-810
KSAS010148yyyyHE KSAS010148yyyyVE KSAS010148yyyyD5 (yyyy=0002-0081)	14,8	20-810
KSAS010149yyyyHE KSAS010149yyyyVE KSAS010149yyyyD5 (yyyy=0002-0080)	14,9	20-800

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010150yyyyHE KSAS010150yyyyVE KSAS010150yyyyD5 (yyyy=0001-0080)	15,0	10-800
KSAS010151yyyyHE KSAS010151yyyyVE KSAS010151yyyyD5 (yyyy=0001-0079)	15,1	10-790
KSAS010152yyyyHE KSAS010152yyyyVE KSAS010152yyyyD5 (yyyy=0001-0078)	15,2	10-780
KSAS010153yyyyHE KSAS010153yyyyVE KSAS010153yyyyD5 (yyyy=0001-0078)	15,3	10-780
KSAS010154yyyyHE KSAS010154yyyyVE KSAS010154yyyyD5 (yyyy=0001-0077)	15,4	10-770
KSAS010155yyyyHE KSAS010155yyyyVE KSAS010155yyyyD5 (yyyy=0001-0077)	15,5	10-770
KSAS010156yyyyHE KSAS010156yyyyVE KSAS010156yyyyD5 (yyyy=0001-0076)	15,6	10-760
KSAS010157yyyyHE KSAS010157yyyyVE KSAS010157yyyyD5 (yyyy=0001-0076)	15,7	10-760
KSAS010158yyyyHE KSAS010158yyyyVE KSAS010158yyyyD5 (yyyy=0001-0075)	15,8	10-750
KSAS010159yyyyHE KSAS010159yyyyVE KSAS010159yyyyD5 (yyyy=0001-0075)	15,9	10-750
KSAS010160yyyyHE KSAS010160yyyyVE KSAS010160yyyyD5 (yyyy=0001-0075)	16,0	10-750

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Product Service

CERTIFICATE

No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010161yyyyHE KSAS010161yyyyVE KSAS010161yyyyD5 (yyyy=0001-0074)	16,1	10-740
KSAS010162yyyyHE KSAS010162yyyyVE KSAS010162yyyyD5 (yyyy=0001-0074)	16,2	10-740
KSAS010163yyyyHE KSAS010163yyyyVE KSAS010163yyyyD5 (yyyy=0001-0073)	16,3	10-730
KSAS010164yyyyHE KSAS010164yyyyVE KSAS010164yyyyD5 (yyyy=0001-0073)	16,4	10-730
KSAS010165yyyyHE KSAS010165yyyyVE KSAS010165yyyyD5 (yyyy=0001-0072)	16,5	10-720
KSAS010166yyyyHE KSAS010166yyyyVE KSAS010166yyyyD5 (yyyy=0001-0072)	16,6	10-720
KSAS010167yyyyHE KSAS010167yyyyVE KSAS010167yyyyD5 (yyyy=0001-0071)	16,7	10-710
KSAS010168yyyyHE KSAS010168yyyyVE KSAS010168yyyyD5 (yyyy=0001-0071)	16,8	10-710
KSAS010169yyyyHE KSAS010169yyyyVE KSAS010169yyyyD5 (yyyy=0001-0071)	16,9	10-710
KSAS010170yyyyHE KSAS010170yyyyVE KSAS010170yyyyD5 (yyyy=0001-0070)	17,0	10-700
KSAS010171yyyyHE KSAS010171yyyyVE KSAS010171yyyyD5 (yyyy=0001-0070)	17,1	10-700

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Product Service

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010172yyyyHE KSAS010172yyyyVE KSAS010172yyyyD5 (yyyy=0001-0069)	17,2	10-690
KSAS010173yyyyHE KSAS010173yyyyVE KSAS010173yyyyD5 (yyyy=0001-0069)	17,3	10-690
KSAS010174yyyyHE KSAS010174yyyyVE KSAS010174yyyyD5 (yyyy=0001-0068)	17,4	10-680
KSAS010175yyyyHE KSAS010175yyyyVE KSAS010175yyyyD5 (yyyy=0001-0068)	17,5	10-680
KSAS010176yyyyHE KSAS010176yyyyVE KSAS010176yyyyD5 (yyyy=0001-0068)	17,6	10-680
KSAS010177yyyyHE KSAS010177yyyyVE KSAS010177yyyyD5 (yyyy=0001-0067)	17,7	10-670
KSAS010178yyyyHE KSAS010178yyyyVE KSAS010178yyyyD5 (yyyy=0001-0067)	17,8	10-670
KSAS010179yyyyHE KSAS010179yyyyVE KSAS010179yyyyD5 (yyyy=0001-0067)	17,9	10-670
KSAS010180yyyyHE KSAS010180yyyyVE KSAS010180yyyyD5 (yyyy=0001-0066)	18,0	10-660
KSAS010181yyyyHE KSAS010181yyyyVE KSAS010181yyyyD5 (yyyy=0001-0066)	18,1	10-660
KSAS010182yyyyHE KSAS010182yyyyVE KSAS010182yyyyD5 (yyyy=0001-0065)	18,2	10-650

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010183yyyyHE KSAS010183yyyyVE KSAS010183yyyyD5 (yyyy=0001-0065)	18,3	10-650
KSAS010184yyyyHE KSAS010184yyyyVE KSAS010184yyyyD5 (yyyy=0001-0065)	18,4	10-650
KSAS010185yyyyHE KSAS010185yyyyVE KSAS010185yyyyD5 (yyyy=0001-0065)	18,5	10-650
KSAS010186yyyyHE KSAS010186yyyyVE KSAS010186yyyyD5 (yyyy=0001-0064)	18,6	10-640
KSAS010187yyyyHE KSAS010187yyyyVE KSAS010187yyyyD5 (yyyy=0001-0064)	18,7	10-640
KSAS010188yyyyHE KSAS010188yyyyVE KSAS010188yyyyD5 (yyyy=0001-0063)	18,8	10-630
KSAS010189yyyyHE KSAS010189yyyyVE KSAS010189yyyyD5 (yyyy=0001-0063)	18,9	10-630
KSAS010190yyyyHE KSAS010190yyyyVE KSAS010190yyyyD5 (yyyy=0001-0063)	19,0	10-630
KSAS010191yyyyHE KSAS010191yyyyVE KSAS010191yyyyD5 (yyyy=0001-0062)	19,1	10-620
KSAS010192yyyyHE KSAS010192yyyyVE KSAS010192yyyyD5 (yyyy=0001-0062)	19,2	10-620
KSAS010193yyyyHE KSAS010193yyyyVE KSAS010193yyyyD5 (yyyy=0001-0062)	19,3	10-620

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010194yyyyHE KSAS010194yyyyVE KSAS010194yyyyD5 (yyyy=0001-0061)	19,4	10-610
KSAS010195yyyyHE KSAS010195yyyyVE KSAS010195yyyyD5 (yyyy=0001-0061)	19,5	10-610
KSAS010196yyyyHE KSAS010196yyyyVE KSAS010196yyyyD5 (yyyy=0001-0061)	19,6	10-610
KSAS010197yyyyHE KSAS010197yyyyVE KSAS010197yyyyD5 (yyyy=0001-0060)	19,7	10-600
KSAS010198yyyyHE KSAS010198yyyyVE KSAS010198yyyyD5 (yyyy=0001-0060)	19,8	10-600
KSAS010199yyyyHE KSAS010199yyyyVE KSAS010199yyyyD5 (yyyy=0001-0060)	19,9	10-600
KSAS010200yyyyHE KSAS010200yyyyVE KSAS010200yyyyD5 (yyyy=0001-0060)	20,0	10-600
KSAS010201yyyyHE KSAS010201yyyyVE KSAS010201yyyyD5 (yyyy=0001-0059)	20,1	10-590
KSAS010202yyyyHE KSAS010202yyyyVE KSAS010202yyyyD5 (yyyy=0001-0059)	20,2	10-590
KSAS010203yyyyHE KSAS010203yyyyVE KSAS010203yyyyD5 (yyyy=0001-0059)	20,3	10-590
KSAS010204yyyyHE KSAS010204yyyyVE KSAS010204yyyyD5 (yyyy=0001-0058)	20,4	10-580

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Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010205yyyyHE KSAS010205yyyyVE KSAS010205yyyyD5 (yyyy=0001-0058)	20,5	10-580
KSAS010206yyyyHE KSAS010206yyyyVE KSAS010206yyyyD5 (yyyy=0001-0058)	20,6	10-580
KSAS010207yyyyHE KSAS010207yyyyVE KSAS010207yyyyD5 (yyyy=0001-0057)	20,7	10-570
KSAS010208yyyyHE KSAS010208yyyyVE KSAS010208yyyyD5 (yyyy=0001-0057)	20,8	10-570
KSAS010209yyyyHE KSAS010209yyyyVE KSAS010209yyyyD5 (yyyy=0001-0057)	20,9	10-570
KSAS010210yyyyHE KSAS010210yyyyVE KSAS010210yyyyD5 (yyyy=0001-0057)	21,0	10-570
KSAS010211yyyyHE KSAS010211yyyyVE KSAS010211yyyyD5 (yyyy=0001-0056)	21,1	10-560
KSAS010212yyyyHE KSAS010212yyyyVE KSAS010212yyyyD5 (yyyy=0001-0056)	21,2	10-560
KSAS010213yyyyHE KSAS010213yyyyVE KSAS010213yyyyD5 (yyyy=0001-0056)	21,3	10-560
KSAS010214yyyyHE KSAS010214yyyyVE KSAS010214yyyyD5 (yyyy=0001-0056)	21,4	10-560
KSAS010215yyyyHE KSAS010215yyyyVE KSAS010215yyyyD5 (yyyy=0001-0055)	21,5	10-550

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010216yyyyHE KSAS010216yyyyVE KSAS010216yyyyD5 (yyyy=0001-0055)	21,6	10-550
KSAS010217yyyyHE KSAS010217yyyyVE KSAS010217yyyyD5 (yyyy=0001-0055)	21,7	10-550
KSAS010218yyyyHE KSAS010218yyyyVE KSAS010218yyyyD5 (yyyy=0001-0055)	21,8	10-550
KSAS010219yyyyHE KSAS010219yyyyVE KSAS010219yyyyD5 (yyyy=0001-0054)	21,9	10-540
KSAS010220yyyyHE KSAS010220yyyyVE KSAS010220yyyyD5 (yyyy=0001-0054)	22,0	10-540
KSAS010221yyyyHE KSAS010221yyyyVE KSAS010221yyyyD5 (yyyy=0001-0054)	22,1	10-540
KSAS010222yyyyHE KSAS010222yyyyVE KSAS010222yyyyD5 (yyyy=0001-0054)	22,2	10-540
KSAS010223yyyyHE KSAS010223yyyyVE KSAS010223yyyyD5 (yyyy=0001-0053)	22,3	10-530
KSAS010224yyyyHE KSAS010224yyyyVE KSAS010224yyyyD5 (yyyy=0001-0053)	22,4	10-530
KSAS010225yyyyHE KSAS010225yyyyVE KSAS010225yyyyD5 (yyyy=0001-0053)	22,5	10-530
KSAS010226yyyyHE KSAS010226yyyyVE KSAS010226yyyyD5 (yyyy=0001-0053)	22,6	10-530

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Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010227yyyyHE KSAS010227yyyyVE KSAS010227yyyyD5 (yyyy=0001-0052)	22,7	10-520
KSAS010228yyyyHE KSAS010228yyyyVE KSAS010228yyyyD5 (yyyy=0001-0052)	22,8	10-520
KSAS010229yyyyHE KSAS010229yyyyVE KSAS010229yyyyD5 (yyyy=0001-0052)	22,9	10-520
KSAS010230yyyyHE KSAS010230yyyyVE KSAS010230yyyyD5 (yyyy=0001-0052)	23,0	10-520
KSAS010231yyyyHE KSAS010231yyyyVE KSAS010231yyyyD5 (yyyy=0001-0051)	23,1	10-510
KSAS010232yyyyHE KSAS010232yyyyVE KSAS010232yyyyD5 (yyyy=0001-0051)	23,2	10-510
KSAS010233yyyyHE KSAS010233yyyyVE KSAS010233yyyyD5 (yyyy=0001-0051)	23,3	10-510
KSAS010234yyyyHE KSAS010234yyyyVE KSAS010234yyyyD5 (yyyy=0001-0051)	23,4	10-510
KSAS010235yyyyHE KSAS010235yyyyVE KSAS010235yyyyD5 (yyyy=0001-0051)	23,5	10-510
KSAS010236yyyyHE KSAS010236yyyyVE KSAS010236yyyyD5 (yyyy=0001-0050)	23,6	10-500
KSAS010237yyyyHE KSAS010237yyyyVE KSAS010237yyyyD5 (yyyy=0001-0050)	23,7	10-500

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Product Service

No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010238yyyyHE KSAS010238yyyyVE KSAS010238yyyyD5 (yyyy=0001-0050)	23,8	10-500
KSAS010239yyyyHE KSAS010239yyyyVE KSAS010239yyyyD5 (yyyy=0001-0050)	23,9	10-500
KSAS010240yyyyHE KSAS010240yyyyVE KSAS010240yyyyD5 (yyyy-0001-0050)	24,0	10-500
KSAS010030yyyyHK KSAS010030yyyyVK (yyyy=0005-0200)	3,0	50-2000
KSAS010031yyyyHK KSAS010031yyyyVK (yyyy=0005-0200)	3,1	50-2000
KSAS010032yyyyHK KSAS010032yyyyVK (yyyy=0005-0200)	3,2	50-2000
KSAS010033yyyyHK KSAS010033yyyyVK (yyyy=0005-0200)	3,3	50-2000
KSAS010034yyyyHK KSAS010034yyyyVK (yyyy=0005-0200)	3,4	50-2000
KSAS010035yyyyHK KSAS010035yyyyVK (yyyy=0005-0200)	3,5	50-2000
KSAS010036yyyyHK KSAS010036yyyyVK (yyyy=0005-0200)	3,6	50-2000
KSAS010037yyyyHK KSAS010037yyyyVK (yyyy=0005-0200)	3,7	50-2000
KSAS010038yyyyHK KSAS010038yyyyVK (yyyy=0005-0200)	3,8	50-2000

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Product Service

CERTIFICATE

No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010039yyyyHK KSAS010039yyyyVK (yyyy=0005-0200)	3,9	50-2000
KSAS010040yyyyHK KSAS010040yyyyVK (yyyy=0005-0200)	4,0	50-2000
KSAS010041yyyyHK KSAS010041yyyyVK (yyyy=0005-0200)	4,1	50-2000
KSAS010042yyyyHK KSAS010042yyyyVK (yyyy=0005-0200)	4,2	50-2000
KSAS010043yyyyHK KSAS010043yyyyVK (yyyy=0005-0200)	4,3	50-2000
KSAS010044yyyyHK KSAS010044yyyyVK (yyyy=0005-0200)	4,4	50-2000
KSAS010045yyyyHK KSAS010045yyyyVK (yyyy=0005-0200)	4,5	50-2000
KSAS010046yyyyHK KSAS010046yyyyVK (yyyy=0005-0200)	4,6	50-2000
KSAS010047yyyyHK KSAS010047yyyyVK (yyyy=0005-0200)	4,7	50-2000
KSAS010048yyyyHK KSAS010048yyyyVK (yyyy=0005-0200)	4,8	50-2000
KSAS010049yyyyHK KSAS010049yyyyVK (yyyy=0005-0200)	4,9	50-2000
KSAS010050yyyyHK KSAS010050yyyyVK (yyyy=0005-0200)	5,0	50-2000
KSAS010051yyyyHK KSAS010051yyyyVK (yyyy=0005-0196)	5,1	50-1960

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CERTIFICATE

No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010052yyyyHK KSAS010052yyyyVK (yyyy=0005-0192)	5,2	50-1920
KSAS010053yyyyHK KSAS010053yyyyVK (yyyy=0005-0189)	5,3	50-1890
KSAS010054yyyyHK KSAS010054yyyyVK (yyyy=0005-0185)	5,4	50-1850
KSAS010055yyyyHK KSAS010055yyyyVK (yyyy=0005-0182)	5,5	50-1820
KSAS010056yyyyHK KSAS010056yyyyVK (yyyy=0005-0179)	5,6	50-1790
KSAS010057yyyyHK KSAS010057yyyyVK (yyyy=0005-0175)	5,7	50-1750
KSAS010058yyyyHK KSAS010058yyyyVK (yyyy=0005-0172)	5,8	50-1720
KSAS010059yyyyHK KSAS010059yyyyVK (yyyy=0005-0170)	5,9	50-1700
KSAS010060yyyyHK KSAS010060yyyyVK (yyyy=0005-0167)	6,0	50-1670
KSAS010061yyyyHK KSAS010061yyyyVK (yyyy=0005-0164)	6,1	50-1640
KSAS010062yyyyHK KSAS010062yyyyVK (yyyy=0005-0161)	6,2	50-1610
KSAS010063yyyyHK KSAS010063yyyyVK (yyyy=0005-0159)	6,3	50-1590
KSAS010064yyyyHK KSAS010064yyyyVK (yyyy=0005-0156)	6,4	50-1560

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Product Service

CERTIFICATE

No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010065yyyyHK KSAS010065yyyyVK (yyyy=0005-0154)	6,5	50-1540
KSAS010066yyyyHK KSAS010066yyyyVK (yyyy=0005-0152)	6,6	50-1520
KSAS010067yyyyHK KSAS010067yyyyVK (yyyy=0005-0149)	6,7	50-1490
KSAS010068yyyyHK KSAS010068yyyyVK (yyyy=0005-0147)	6,8	50-1470
KSAS010069yyyyHK KSAS010069yyyyVK (yyyy=0005-0145)	6,9	50-1450
KSAS010070yyyyHK KSAS010070yyyyVK (yyyy=0005-0143)	7,0	50-1430
KSAS010071yyyyHK KSAS010071yyyyVK (yyyy=0005-0141)	7,1	50-1410
KSAS010072yyyyHK KSAS010072yyyyVK (yyyy=0005-0139)	7,2	50-1390
KSAS010073yyyyHK KSAS010073yyyyVK (yyyy=0005-0137)	7,3	50-1370
KSAS010074yyyyHK KSAS010074yyyyVK (yyyy=0005-0135)	7,4	50-1350
KSAS010075yyyyHK KSAS010075yyyyVK (yyyy-0002-0133)	7,5	20-1330
KSAS010076yyyyHK KSAS010076yyyyVK (yyyy-0002-0132)	7,6	20-1320
KSAS010077yyyyHK KSAS010077yyyyVK (yyyy=0002-0130)	7,7	20-1300

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CERTIFICATE

No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010078yyyyHK KSAS010078yyyyVK (yyyy=0002-0126)	7,8	20-1280
KSAS010079yyyyHK KSAS010079yyyyVK (yyyy=0002-0127)	7,9	20-1270
KSAS010080yyyyHK KSAS010080yyyyVK (yyyy=0002-0125)	8,0	20-1250
KSAS010081yyyyHK KSAS010081yyyyVK (yyyy=0002-0124)	8,1	20-1240
KSAS010082yyyyHK KSAS010082yyyyVK (yyyy=0002-0122)	8,2	20-1220
KSAS010083yyyyHK KSAS010083yyyyVK (yyyy=0002-0121)	8,3	20-1210
KSAS010084yyyyHK KSAS010084yyyyVK (yyyy=0002-0119)	8,4	20-1190
KSAS010085yyyyHK KSAS010085yyyyVK (yyyy=0002-0118)	8,5	20-1180
KSAS010086yyyyHK KSAS010086yyyyVK (yyyy=0002-0116)	8,6	20-1160
KSAS010087yyyyHK KSAS010087yyyyVK (yyyy=0002-0115)	8,7	20-1150
KSAS010088yyyyHK KSAS010088yyyyVK (yyyy=0002-0114)	8,8	20-1140
KSAS010089yyyyHK KSAS010089yyyyVK (yyyy=0002-0112)	8,9	20-1120
KSAS010090yyyyHK KSAS010090yyyyVK (yyyy=0002-0111)	9,0	20-1110

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Product Service

CERTIFICATE

No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010091yyyyHK KSAS010091yyyyVK (yyyy=0002-0110)	9,1	20-1100
KSAS010092yyyyHK KSAS010092yyyyVK (yyyy=0002-0109)	9,2	20-1090
KSAS010093yyyyHK KSAS010093yyyyVK (yyyy=0002-0108)	9,3	20-1080
KSAS010094yyyyHK KSAS010094yyyyVK (yyyy=0002-0106)	9,4	20-1060
KSAS010095yyyyHK KSAS010095yyyyVK (yyyy=0002-0105)	9,5	20-1050
KSAS010096yyyyHK KSAS010096yyyyVK (yyyy=0002-0104)	9,6	20-1040
KSAS010097yyyyHK KSAS010097yyyyVK (yyyy=0002-0103)	9,7	20-1030
KSAS010098yyyyHK KSAS010098yyyyVK (yyyy=0002-0102)	9,8	20-1020
KSAS010099yyyyHK KSAS010099yyyyVK (yyyy=0002-0101)	9,9	20-1010
KSAS010100yyyyHK KSAS010100yyyyVK (yyyy=0002-0100)	10,0	20-1000
KSAS010101yyyyHK KSAS010101yyyyVK (yyyy=0002-0099)	10,1	20-990
KSAS010102yyyyHK KSAS010102yyyyVK (yyyy=0002-0098)	10,2	20-980
KSAS010103yyyyHK KSAS010103yyyyVK (yyyy=0002-0097)	10,3	20-970

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010104yyyyHK KSAS010104yyyyVK (yyyy=0002-0096)	10,4	20-960
KSAS010105yyyyHK KSAS010105yyyyVK (yyyy=0002-0095)	10,5	20-950
KSAS010106yyyyHK KSAS010106yyyyVK (yyyy=0002-0094)	10,6	20-940
KSAS010107yyyyHK KSAS010107yyyyVK (yyyy=0002-0094)	10,7	20-940
KSAS010108yyyyHK KSAS010108yyyyVK (yyyy=0002-0093)	10,8	20-930
KSAS010109yyyyHK KSAS010109yyyyVK (yyyy=0002-0092)	10,9	20-920
KSAS010110yyyyHK KSAS010110yyyyVK (yyyy=0002-0091)	11,0	20-910
KSAS010111yyyyHK KSAS010111yyyyVK (yyyy=0002-0090)	11,1	20-900
KSAS010112yyyyHK KSAS010112yyyyVK (yyyy=0002-0089)	11,2	20-890
KSAS010113yyyyHK KSAS010113yyyyVK (yyyy=0002-0089)	11,3	20-890
KSAS010114yyyyHK KSAS010114yyyyVK (yyyy=0002-0088)	11,4	20-880
KSAS010115yyyyHK KSAS010115yyyyVK (yyyy=0002-0087)	11,5	20-870
KSAS010116yyyyHK KSAS010116yyyyVK (yyyy=0002-0086)	11,6	20-860

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010117yyyyHK KSAS010117yyyyVK (yyyy=0002-0086)	11,7	20-860
KSAS010118yyyyHK KSAS010118yyyyVK (yyyy=0002-0085)	11,8	20-850
KSAS010119yyyyHK KSAS010119yyyyVK (yyyy=0002-0084)	11,9	20-840
KSAS010120yyyyHK KSAS010120yyyyVK (yyyy=0002-0100)	12,0	20-1000
KSAS010121yyyyHK KSAS010121yyyyVK (yyyy=0002-0099)	12,1	20-990
KSAS010122yyyyHK KSAS010122yyyyVK (yyyy=0002-0098)	12,2	20-980
KSAS010123yyyyHK KSAS010123yyyyVK (yyyy=0002-0097)	12,3	20-970
KSAS010124yyyyHK KSAS010124yyyyVK (yyyy=0002-0096)	12,4	20-960
KSAS010125yyyyHK KSAS010125yyyyVK (yyyy=0002-0096)	12,5	20-960
KSAS010126yyyyHK KSAS010126yyyyVK (yyyy=0002-0095)	12,6	20-950
KSAS010127yyyyHK KSAS010127yyyyVK (yyyy=0002-0094)	12,7	20-940
KSAS010128yyyyHK KSAS010128yyyyVK (yyyy=0002-0093)	12,8	20-930
KSAS010129yyyyHK KSAS010129yyyyVK (yyyy=0002-0093)	12,9	20-930

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Product Service

CERTIFICATE

No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010130yyyyHK KSAS010130yyyyVK (yyyy=0002-0092)	13,0	20-920
KSAS010131yyyyHK KSAS010131yyyyVK (yyyy=0002-0091)	13,1	20-910
KSAS010132yyyyHK KSAS010132yyyyVK (yyyy=0002-0090)	13,2	20-900
KSAS010133yyyyHK KSAS010133yyyyVK (yyyy=0002-0090)	13,3	20-900
KSAS010134yyyyHK KSAS010134yyyyVK (yyyy=0002-0089)	13,4	20-890
KSAS010135yyyyHK KSAS010135yyyyVK (yyyy=0002-0088)	13,5	20-880
KSAS010136yyyyHK KSAS010136yyyyVK (yyyy=0002-0088)	13,6	20-880
KSAS010137yyyyHK KSAS010137yyyyVK KSAS010137yyyyD5 (yyyy=0002-0087)	13,7	20-870
KSAS010138yyyyHK KSAS010138yyyyVK (yyyy=0002-0086)	13,8	20-860
KSAS010139yyyyHK KSAS010139yyyyVK (yyyy=0002-0086)	13,9	20-860
KSAS010140yyyyHK KSAS010140yyyyVK (yyyy=0002-0085)	14,0	20-850
KSAS010141yyyyHK KSAS010141yyyyVK (yyyy=0002-0085)	14,1	20-850
KSAS010142yyyyHK KSAS010142yyyyVK (yyyy=0002-0084)	14,2	20-840

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Product Service

CERTIFICATE

No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010143yyyyHK KSAS010143yyyyVK (yyyy=0002-0083)	14,3	20-830
KSAS010144yyyyHK KSAS010144yyyyVK (yyyy=0002-0083)	14,4	20-830
KSAS010145yyyyHK KSAS010145yyyyVK (yyyy=0002-0082)	14,5	20-820
KSAS010146yyyyHK KSAS010146yyyyVK (yyyy=0002-0082)	14,6	20-820
KSAS010147yyyyHK KSAS010147yyyyVK (yyyy=0002-0081)	14,7	20-810
KSAS010148yyyyHK KSAS010148yyyyVK (yyyy=0002-0081)	14,8	20-810
KSAS010149yyyyHK KSAS010149yyyyVK (yyyy=0002-0080)	14,9	20-800
KSAS010150yyyyHK KSAS010150yyyyVK (yyyy=0001-0080)	15,0	10-800
KSAS010151yyyyHK KSAS010151yyyyVK (yyyy=0001-0079)	15,1	10-790
KSAS010152yyyyHK KSAS010152yyyyVK (yyyy=0001-0078)	15,2	10-780
KSAS010153yyyyHK KSAS010153yyyyVK (yyyy=0001-0078)	15,3	10-780
KSAS010154yyyyHK KSAS010154yyyyVK (yyyy=0001-0077)	15,4	10-770
KSAS010155yyyyHK KSAS010155yyyyVK (yyyy=0001-0077)	15,5	10-770

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Product Service

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010156yyyyHK KSAS010156yyyyVK (yyyy=0001-0076)	15,6	10-760
KSAS010157yyyyHK KSAS010157yyyyVK (yyyy=0001-0076)	15,7	10-760
KSAS010158yyyyHK KSAS010158yyyyVK (yyyy=0001-0075)	15,8	10-750
KSAS010159yyyyHK KSAS010159yyyyVK (yyyy=0001-0075)	15,9	10-750
KSAS010160yyyyHK KSAS010160yyyyVK (yyyy=0001-0075)	16,0	10-750
KSAS010161yyyyHK KSAS010161yyyyVK (yyyy=0001-0074)	16,1	10-740
KSAS010162yyyyHK KSAS010162yyyyVK (yyyy=0001-0074)	16,2	10-740
KSAS010163yyyyHK KSAS010163yyyyVK (yyyy=0001-0073)	16,3	10-730
KSAS010164yyyyHK KSAS010164yyyyVK (yyyy=0001-0073)	16,4	10-730
KSAS010165yyyyHK KSAS010165yyyyVK (yyyy=0001-0072)	16,5	10-720
KSAS010166yyyyHK KSAS010166yyyyVK (yyyy=0001-0072)	16,6	10-720
KSAS010167yyyyHK KSAS010167yyyyVK (yyyy=0001-0071)	16,7	10-710
KSAS010168yyyyHK KSAS010168yyyyVK (yyyy=0001-0071)	16,8	10-710

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010169yyyyHK KSAS010169yyyyVK (yyyy=0001-0071)	16,9	10-710
KSAS010170yyyyHK KSAS010170yyyyVK (yyyy=0001-0070)	17,0	10-700
KSAS010171yyyyHK KSAS010171yyyyVK (yyyy=0001-0070)	17,1	10-700
KSAS010172yyyyHK KSAS010172yyyyVK (yyyy=0001-0069)	17,2	10-690
KSAS010173yyyyHK KSAS010173yyyyVK (yyyy=0001-0069)	17,3	10-690
KSAS010174yyyyHK KSAS010174yyyyVK (yyyy=0001-0068)	17,4	10-680
KSAS010175yyyyHK KSAS010175yyyyVK (yyyy=0001-0068)	17,5	10-680
KSAS010176yyyyHK KSAS010176yyyyVK (yyyy=0001-0068)	17,6	10-680
KSAS010177yyyyHK KSAS010177yyyyVK (yyyy=0001-0067)	17,7	10-670
KSAS010178yyyyHK KSAS010178yyyyVK (yyyy=0001-0067)	17,8	10-670
KSAS010179yyyyHK KSAS010179yyyyVK (yyyy=0001-0067)	17,9	10-670
KSAS010180yyyyHK KSAS010180yyyyVK (yyyy=0001-0066)	18,0	10-660
KSAS010181yyyyHK KSAS010181yyyyVK (yyyy=0001-0066)	18,1	10-660

A1 / 12.09

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010182yyyyHK KSAS010182yyyyVK (yyyy=0001-0065)	18,2	10-650
KSAS010183yyyyHK KSAS010183yyyyVK (yyyy=0001-0065)	18,3	10-650
KSAS010184yyyyHK KSAS010184yyyyVK (yyyy=0001-0065)	18,4	10-650
KSAS010185yyyyHK KSAS010185yyyyVK (yyyy=0001-0065)	18,5	10-650
KSAS010186yyyyHK KSAS010186yyyyVK (yyyy=0001-0064)	18,6	10-640
KSAS010187yyyyHK KSAS010187yyyyVK (yyyy=0001-0064)	18,7	10-640
KSAS010188yyyyHK KSAS010188yyyyVK (yyyy=0001-0063)	18,8	10-630
KSAS010189yyyyHK KSAS010189yyyyVK (yyyy=0001-0063)	18,9	10-630
KSAS010190yyyyHK KSAS010190yyyyVK (yyyy=0001-0063)	19,0	10-630
KSAS010191yyyyHK KSAS010191yyyyVK (yyyy=0001-0062)	19,1	10-620
KSAS010192yyyyHK KSAS010192yyyyVK (yyyy=0001-0062)	19,2	10-620
KSAS010193yyyyHK KSAS010193yyyyVK (yyyy=0001-0062)	19,3	10-620
KSAS010194yyyyHK KSAS010194yyyyVK (yyyy=0001-0061)	19,4	10-610

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No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010195yyyyHK KSAS010195yyyyVK (yyyy=0001-0061)	19,5	10-610
KSAS010196yyyyHK KSAS010196yyyyVK (yyyy=0001-0061)	19,6	10-610
KSAS010197yyyyHK KSAS010197yyyyVK (yyyy=0001-0060)	19,7	10-600
KSAS010198yyyyHK KSAS010198yyyyVK (yyyy=0001-0060)	19,8	10-600
KSAS010199yyyyHK KSAS010199yyyyVK (yyyy=0001-0060)	19,9	10-600
KSAS010200yyyyHK KSAS010200yyyyVK (yyyy=0001-0060)	20,0	10-600
KSAS010201yyyyHK KSAS010201yyyyVK (yyyy=0001-0059)	20,1	10-590
KSAS010202yyyyHK KSAS010202yyyyVK (yyyy=0001-0059)	20,2	10-590
KSAS010203yyyyHK KSAS010203yyyyVK (yyyy=0001-0059)	20,3	10-590
KSAS010204yyyyHK KSAS010204yyyyVK (yyyy=0001-0058)	20,4	10-580
KSAS010205yyyyHK KSAS010205yyyyVK (yyyy=0001-0058)	20,5	10-580
KSAS010206yyyyHK KSAS010206yyyyVK (yyyy=0001-0058)	20,6	10-580
KSAS010207yyyyHK KSAS010207yyyyVK (yyyy=0001-0057)	20,7	10-570

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Product Service

No. Z1 10 08 48694 922

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010208yyyyHK KSAS010208yyyyVK (yyyy=0001-0057)	20,8	10-570
KSAS010209yyyyHK KSAS010209yyyyVK (yyyy=0001-0057)	20,9	10-570
KSAS010210yyyyHK KSAS010210yyyyVK (yyyy=0001-0057)	21,0	10-570
KSAS010211yyyyHK KSAS010211yyyyVK (yyyy=0001-0056)	21,1	10-560
KSAS010212yyyyHK KSAS010212yyyyVK (yyyy=0001-0056)	21,2	10-560
KSAS010213yyyyHK KSAS010213yyyyVK (yyyy=0001-0056)	21,3	10-560
KSAS010214yyyyHK KSAS010214yyyyVK (yyyy=0001-0056)	21,4	10-560
KSAS010215yyyyHK KSAS010215yyyyVK (yyyy=0001-0055)	21,5	10-550
KSAS010216yyyyHK KSAS010216yyyyVK (yyyy=0001-0055)	21,6	10-550
KSAS010217yyyyHK KSAS010217yyyyVK (yyyy=0001-0055)	21,7	10-550
KSAS010218yyyyHK KSAS010218yyyyVK (yyyy=0001-0055)	21,8	10-550
KSAS010219yyyyHK KSAS010219yyyyVK (yyyy=0001-0054)	21,9	10-540
KSAS010220yyyyHK KSAS010220yyyyVK (yyyy=0001-0054)	22,0	10-540

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No. Z1 10 08 48694 922

Product Service

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010221yyyyHK KSAS010221yyyyVK (yyyy=0001-0054)	22,1	10-540
KSAS010222yyyyHK KSAS010222yyyyVK (yyyy=0001-0054)	22,2	10-540
KSAS010223yyyyHK KSAS010223yyyyVK (yyyy=0001-0053)	22,3	10-530
KSAS010224yyyyHK KSAS010224yyyyVK (yyyy=0001-0053)	22,4	10-530
KSAS010225yyyyHK KSAS010225yyyyVK (yyyy=0001-0053)	22,5	10-530
KSAS010226yyyyHK KSAS010226yyyyVK (yyyy=0001-0053)	22,6	10-530
KSAS010227yyyyHK KSAS010227yyyyVK (yyyy=0001-0052)	22,7	10-520
KSAS010228yyyyHK KSAS010228yyyyVK (yyyy=0001-0052)	22,8	10-520
KSAS010229yyyyHK KSAS010229yyyyVK (yyyy=0001-0052)	22,9	10-520
KSAS010230yyyyHK KSAS010230yyyyVK (yyyy=0001-0052)	23,0	10-520
KSAS010231yyyyHK KSAS010231yyyyVK (yyyy=0001-0051)	23,1	10-510
KSAS010232yyyyHK KSAS010232yyyyVK (yyyy=0001-0051)	23,2	10-510
KSAS010233yyyyHK KSAS010233yyyyVK (yyyy=0001-0051)	23,3	10-510

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Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010234yyyyHK KSAS010234yyyyVK (yyyy=0001-0051)	23,4	10-510
KSAS010235yyyyHK KSAS010235yyyyVK (yyyy=0001-0051)	23,5	10-510
KSAS010236yyyyHK KSAS010236yyyyVK (yyyy=0001-0050)	23,6	10-500
KSAS010237yyyyHK KSAS010237yyyyVK (yyyy=0001-0050)	23,7	10-500
KSAS010238yyyyHK KSAS010238yyyyVK (yyyy=0001-0050)	23,8	10-500
KSAS010239yyyyHK KSAS010239yyyyVK (yyyy=0001-0050)	23,9	10-500
KSAS010240yyyyHK KSAS010240yyyyVK (yyyy-0001-0050)	24,0	10-500

-End-

Test report no.: 6421008039502

Date, 2010-08-18

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No. Z1A 10 08 48694 920

Holder of Certificate: **Kuantech (Shenzhen) Co., Ltd.**
6th Honghua Road,Songming Town
Baoan District, Shenzhen
PEOPLE'S REPUBLIC OF CHINA

Factory(ies): 64970

Certification Mark:

Product: **Switch mode power supplies**

Model(s): **KSAS010xxxyyyyHE, KSAS010xxxyyyyVE, KSAS010xxxyyyyD5 (xxx=030-240 indicates rated output voltage range 3,0-24,0 V d.c.; yyyy=0001-0200 indicates rated output current range 10-2000 mA)**

Parameters:

Rated voltage:	100-240 V
Rated frequency:	50/60 Hz
Rated current:	0,4 A
Rated output voltage:	3,0-24,0 V d.c.
Rated output current:	10-2000 mA
Protection class:	II
Degree of protection:	IPX0
Remark:	See page 2-21 for output details.

Tested according to: EN 60950-1/A11:2009

The product meets the safety and health requirements of the German Equipment and Product Safety Act section 7 subsection 1 sentence 2 GPSG. The certification marks shown above can be affixed on the product. It is not permitted to alter the certification marks in any way. In addition the certificate holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. See also notes overleaf.

Test report no.: 6421008039502

Valid until: 2015-08-17

Date, 2010-08-18 (Shaohang Liu)

CERTIFICATE

No. Z1A 10 08 48694 920

Product Service

KSAS010xxxyyyyHE, KSAS010xxxyyyyVE, KSAS010xxxyyyyD5: xxx=030-240 indicates rated output voltage range 3,0-24,0 V d.c.; yyyy=0001-0200 indicates rated output current range 10-2000 mA

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010030yyyyHE KSAS010030yyyyVE KSAS010030yyyyD5 (yyyy=0005-0200)	3,0	50-2000
KSAS010031yyyyHE KSAS010031yyyyVE KSAS010031yyyyD5 (yyyy=0005-0200)	3,1	50-2000
KSAS010032yyyyHE KSAS010032yyyyVE KSAS010032yyyyD5 (yyyy=0005-0200)	3,2	50-2000
KSAS010033yyyyHE KSAS010033yyyyVE KSAS010033yyyyD5 (yyyy=0005-0200)	3,3	50-2000
KSAS010034yyyyHE KSAS010034yyyyVE KSAS010034yyyyD5 (yyyy=0005-0200)	3,4	50-2000
KSAS010035yyyyHE KSAS010035yyyyVE KSAS010035yyyyD5 (yyyy=0005-0200)	3,5	50-2000
KSAS010036yyyyHE KSAS010036yyyyVE KSAS010036yyyyD5 (yyyy=0005-0200)	3,6	50-2000
KSAS010037yyyyHE KSAS010037yyyyVE KSAS010037yyyyD5 (yyyy=0005-0200)	3,7	50-2000
KSAS010038yyyyHE KSAS010038yyyyVE KSAS010038yyyyD5 (yyyy=0005-0200)	3,8	50-2000
KSAS010039yyyyHE KSAS010039yyyyVE KSAS010039yyyyD5 (yyyy=0005-0200)	3,9	50-2000

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A1 / 12.09

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Product Service

CERTIFICATE

No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010040yyyyHE KSAS010040yyyyVE KSAS010040yyyyD5 (yyyy=0005-0200)	4,0	50-2000
KSAS010041yyyyHE KSAS010041yyyyVE KSAS010041yyyyD5 (yyyy=0005-0200)	4,1	50-2000
KSAS010042yyyyHE KSAS010042yyyyVE KSAS010042yyyyD5 (yyyy=0005-0200)	4,2	50-2000
KSAS010043yyyyHE KSAS010043yyyyVE KSAS010043yyyyD5 (yyyy=0005-0200)	4,3	50-2000
KSAS010044yyyyHE KSAS010044yyyyVE KSAS010044yyyyD5 (yyyy=0005-0200)	4,4	50-2000
KSAS010045yyyyHE KSAS010045yyyyVE KSAS010045yyyyD5 (yyyy=0005-0200)	4,5	50-2000
KSAS010046yyyyHE KSAS010046yyyyVE KSAS010046yyyyD5 (yyyy=0005-0200)	4,6	50-2000
KSAS010047yyyyHE KSAS010047yyyyVE KSAS010047yyyyD5 (yyyy=0005-0200)	4,7	50-2000
KSAS010048yyyyHE KSAS010048yyyyVE KSAS010048yyyyD5 (yyyy=0005-0200)	4,8	50-2000
KSAS010049yyyyHE KSAS010049yyyyVE KSAS010049yyyyD5 (yyyy=0005-0200)	4,9	50-2000
KSAS010050yyyyHE KSAS010050yyyyVE KSAS010050yyyyD5 (yyyy=0005-0200)	5,0	50-2000

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No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010051yyyyHE KSAS010051yyyyVE KSAS010051yyyyD5 (yyyy=0005-0196)	5,1	50-1960
KSAS010052yyyyHE KSAS010052yyyyVE KSAS010052yyyyD5 (yyyy=0005-0192)	5,2	50-1920
KSAS010053yyyyHE KSAS010053yyyyVE KSAS010053yyyyD5 (yyyy=0005-0189)	5,3	50-1890
KSAS010054yyyyHE KSAS010054yyyyVE KSAS010054yyyyD5 (yyyy=0005-0185)	5,4	50-1850
KSAS010055yyyyHE KSAS010055yyyyVE KSAS010055yyyyD5 (yyyy=0005-0182)	5,5	50-1820
KSAS010056yyyyHE KSAS010056yyyyVE KSAS010056yyyyD5 (yyyy=0005-0179)	5,6	50-1790
KSAS010057yyyyHE KSAS010057yyyyVE KSAS010057yyyyD5 (yyyy=0005-0175)	5,7	50-1750
KSAS010058yyyyHE KSAS010058yyyyVE KSAS010058yyyyD5 (yyyy=0005-0172)	5,8	50-1720
KSAS010059yyyyHE KSAS010059yyyyVE KSAS010059yyyyD5 (yyyy=0005-0170)	5,9	50-1700
KSAS010060yyyyHE KSAS010060yyyyVE KSAS010060yyyyD5 (yyyy=0005-0167)	6,0	50-1670
KSAS010061yyyyHE KSAS010061yyyyVE KSAS010061yyyyD5 (yyyy=0005-0164)	6,1	50-1640

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A1 / 12.08

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CERTIFICATE

No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010062yyyyHE KSAS010062yyyyVE KSAS010062yyyyD5 (yyyy=0005-0161)	6,2	50-1610
KSAS010063yyyyHE KSAS010063yyyyVE KSAS010063yyyyD5 (yyyy=0005-0159)	6,3	50-1590
KSAS010064yyyyHE KSAS010064yyyyVE KSAS010064yyyyD5 (yyyy=0005-0156)	6,4	50-1560
KSAS010065yyyyHE KSAS010065yyyyVE KSAS010065yyyyD5 (yyyy=0005-0154)	6,5	50-1540
KSAS010066yyyyHE KSAS010066yyyyVE KSAS010066yyyyD5 (yyyy=0005-0152)	6,6	50-1520
KSAS010067yyyyHE KSAS010067yyyyVE KSAS010067yyyyD5 (yyyy=0005-0149)	6,7	50-1490
KSAS010068yyyyHE KSAS010068yyyyVE KSAS010068yyyyD5 (yyyy=0005-0147)	6,8	50-1470
KSAS010069yyyyHE KSAS010069yyyyVE KSAS010069yyyyD5 (yyyy=0005-0145)	6,9	50-1450
KSAS010070yyyyHE KSAS010070yyyyVE KSAS010070yyyyD5 (yyyy=0005-0143)	7,0	50-1430
KSAS010071yyyyHE KSAS010071yyyyVE KSAS010071yyyyD5 (yyyy=0005-0141)	7,1	50-1410
KSAS010072yyyyHE KSAS010072yyyyVE KSAS010072yyyyD5 (yyyy=0005-0139)	7,2	50-1390

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No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010073yyyyHE KSAS010073yyyyVE KSAS010073yyyyD5 (yyyy=0005-0137)	7,3	50-1370
KSAS010074yyyyHE KSAS010074yyyyVE KSAS010074yyyyD5 (yyyy=0005-0135)	7,4	50-1350
KSAS010075yyyyHE KSAS010075yyyyVE KSAS010075yyyyD5 (yyyy-0002-0133)	7,5	20-1330
KSAS010076yyyyHE KSAS010076yyyyVE KSAS010076yyyyD5 (yyyy-0002-0132)	7,6	20-1320
KSAS010077yyyyHE KSAS010077yyyyVE KSAS010077yyyyD5 (yyyy=0002-0130)	7,7	20-1300
KSAS010078yyyyHE KSAS010078yyyyVE KSAS010078yyyyD5 (yyyy=0002-0128)	7,8	20-1280
KSAS010079yyyyHE KSAS010079yyyyVE KSAS010079yyyyD5 (yyyy=0002-0127)	7,9	20-1270
KSAS010080yyyyHE KSAS010080yyyyVE KSAS010080yyyyD5 (yyyy=0002-0125)	8,0	20-1250
KSAS010081yyyyHE KSAS010081yyyyVE KSAS010081yyyyD5 (yyyy=0002-0124)	8,1	20-1240
KSAS010082yyyyHE KSAS010082yyyyVE KSAS010082yyyyD5 (yyyy=0002-0122)	8,2	20-1220
KSAS010083yyyyHE KSAS010083yyyyVE KSAS010083yyyyD5 (yyyy=0002-0121)	8,3	20-1210

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No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010084yyyyHE KSAS010084yyyyVE KSAS010084yyyyD5 (yyyy=0002-0119)	8,4	20-1190
KSAS010085yyyyHE KSAS010085yyyyVE KSAS010085yyyyD5 (yyyy=0002-0118)	8,5	20-1180
KSAS010086yyyyHE KSAS010086yyyyVE KSAS010086yyyyD5 (yyyy=0002-0116)	8,6	20-1160
KSAS010087yyyyHE KSAS010087yyyyVE KSAS010087yyyyD5 (yyyy=0002-0115)	8,7	20-1150
KSAS010088yyyyHE KSAS010088yyyyVE KSAS010088yyyyD5 (yyyy=0002-0114)	8,8	20-1140
KSAS010089yyyyHE KSAS010089yyyyVE KSAS010089yyyyD5 (yyyy=0002-0112)	8,9	20-1120
KSAS010090yyyyHE KSAS010090yyyyVE KSAS010090yyyyD5 (yyyy=0002-0111)	9,0	20-1110
KSAS010091yyyyHE KSAS010091yyyyVE KSAS010091yyyyD5 (yyyy=0002-0110)	9,1	20-1100
KSAS010092yyyyHE KSAS010092yyyyVE KSAS010092yyyyD5 (yyyy=0002-0109)	9,2	20-1090
KSAS010093yyyyHE KSAS010093yyyyVE KSAS010093yyyyD5 (yyyy=0002-0108)	9,3	20-1080
KSAS010094yyyyHE KSAS010094yyyyVE KSAS010094yyyyD5 (yyyy=0002-0106)	9,4	20-1060

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Product Service

CERTIFICATE

No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010095yyyyHE KSAS010095yyyyVE KSAS010095yyyyD5 (yyyy=0002-0105)	9,5	20-1050
KSAS010096yyyyHE KSAS010096yyyyVE KSAS010096yyyyD5 (yyyy=0002-0104)	9,6	20-1040
KSAS010097yyyyHE KSAS010097yyyyVE KSAS010097yyyyD5 (yyyy=0002-0103)	9,7	20-1030
KSAS010098yyyyHE KSAS010098yyyyVE KSAS010098yyyyD5 (yyyy=0002-0102)	9,8	20-1020
KSAS010099yyyyHE KSAS010099yyyyVE KSAS010099yyyyD5 (yyyy=0002-0101)	9,9	20-1010
KSAS010100yyyyHE KSAS010100yyyyVE KSAS010100yyyyD5 (yyyy=0002-0100)	10,0	20-1000
KSAS010101yyyyHE KSAS010101yyyyVE KSAS010101yyyyD5 (yyyy=0002-0099)	10,1	20-990
KSAS010102yyyyHE KSAS010102yyyyVE KSAS010102yyyyD5 (yyyy=0002-0098)	10,2	20-980
KSAS010103yyyyHE KSAS010103yyyyVE KSAS010103yyyyD5 (yyyy=0002-0097)	10,3	20-970
KSAS010104yyyyHE KSAS010104yyyyVE KSAS010104yyyyD5 (yyyy=0002-0096)	10,4	20-960
KSAS010105yyyyHE KSAS010105yyyyVE KSAS010105yyyyD5 (yyyy=0002-0095)	10,5	20-950

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Product Service

CERTIFICATE

No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010106yyyyHE KSAS010106yyyyVE KSAS010106yyyyD5 (yyyy=0002-0094)	10,6	20-940
KSAS010107yyyyHE KSAS010107yyyyVE KSAS010107yyyyD5 (yyyy=0002-0094)	10,7	20-940
KSAS010108yyyyHE KSAS010108yyyyVE KSAS010108yyyyD5 (yyyy=0002-0093)	10,8	20-930
KSAS010109yyyyHE KSAS010109yyyyVE KSAS010109yyyyD5 (yyyy=0002-0092)	10,9	20-920
KSAS010110yyyyHE KSAS010110yyyyVE KSAS010110yyyyD5 (yyyy=0002-0091)	11,0	20-910
KSAS010111yyyyHE KSAS010111yyyyVE KSAS010111yyyyD5 (yyyy=0002-0090)	11,1	20-900
KSAS010112yyyyHE KSAS010112yyyyVE KSAS010112yyyyD5 (yyyy=0002-0089)	11,2	20-890
KSAS010113yyyyHE KSAS010113yyyyVE KSAS010113yyyyD5 (yyyy=0002-0089)	11,3	20-890
KSAS010114yyyyHE KSAS010114yyyyVE KSAS010114yyyyD5 (yyyy=0002-0088)	11,4	20-880
KSAS010115yyyyHE KSAS010115yyyyVE KSAS010115yyyyD5 (yyyy=0002-0087)	11,5	20-870
KSAS010116yyyyHE KSAS010116yyyyVE KSAS010116yyyyD5 (yyyy=0002-0086)	11,6	20-860

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No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010117yyyyHE KSAS010117yyyyVE KSAS010117yyyyD5 (yyyy=0002-0086)	11,7	20-860
KSAS010118yyyyHE KSAS010118yyyyVE KSAS010118yyyyD5 (yyyy=0002-0085)	11,8	20-850
KSAS010119yyyyHE KSAS010119yyyyVE KSAS010119yyyyD5 (yyyy=0002-0084)	11,9	20-840
KSAS010120yyyyHE KSAS010120yyyyVE KSAS010120yyyyD5 (yyyy=0002-0100)	12,0	20-1000
KSAS010121yyyyHE KSAS010121yyyyVE KSAS010121yyyyD5 (yyyy=0002-0099)	12,1	20-990
KSAS010122yyyyHE KSAS010122yyyyVE KSAS010122yyyyD5 (yyyy=0002-0098)	12,2	20-980
KSAS010123yyyyHE KSAS010123yyyyVE KSAS010123yyyyD5 (yyyy=0002-0097)	12,3	20-970
KSAS010124yyyyHE KSAS010124yyyyVE KSAS010124yyyyD5 (yyyy=0002-0096)	12,4	20-960
KSAS010125yyyyHE KSAS010125yyyyVE KSAS010125yyyyD5 (yyyy=0002-0096)	12,5	20-960
KSAS010126yyyyHE KSAS010126yyyyVE KSAS010126yyyyD5 (yyyy=0002-0095)	12,6	20-950
KSAS010127yyyyHE KSAS010127yyyyVE KSAS010127yyyyD5 (yyyy=0002-0094)	12,7	20-940

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No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010128yyyyHE KSAS010128yyyyVE KSAS010128yyyyD5 (yyyy=0002-0093)	12,8	20-930
KSAS010129yyyyHE KSAS010129yyyyVE KSAS010129yyyyD5 (yyyy=0002-0093)	12,9	20-930
KSAS010130yyyyHE KSAS010130yyyyVE KSAS010130yyyyD5 (yyyy=0002-0092)	13,0	20-920
KSAS010131yyyyHE KSAS010131yyyyVE KSAS010131yyyyD5 (yyyy=0002-0091)	13,1	20-910
KSAS010132yyyyHE KSAS010132yyyyVE KSAS010132yyyyD5 (yyyy=0002-0090)	13,2	20-900
KSAS010133yyyyHE KSAS010133yyyyVE KSAS010133yyyyD5 (yyyy=0002-0090)	13,3	20-900
KSAS010134yyyyHE KSAS010134yyyyVE KSAS010134yyyyD5 (yyyy=0002-0089)	13,4	20-890
KSAS010135yyyyHE KSAS010135yyyyVE KSAS010135yyyyD5 (yyyy=0002-0088)	13,5	20-880
KSAS010136yyyyHE KSAS010136yyyyVE KSAS010136yyyyD5 (yyyy=0002-0088)	13,6	20-880
KSAS010137yyyyHE KSAS010137yyyyVE KSAS010137yyyyD5 (yyyy=0002-0087)	13,7	20-870
KSAS010138yyyyHE KSAS010138yyyyVE KSAS010138yyyyD5 (yyyy=0002-0086)	13,8	20-860

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No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010139yyyyHE KSAS010139yyyyVE KSAS010139yyyyD5 (yyyy=0002-0086)	13,9	20-860
KSAS010140yyyyHE KSAS010140yyyyVE KSAS010140yyyyD5 (yyyy=0002-0085)	14,0	20-850
KSAS010141yyyyHE KSAS010141yyyyVE KSAS010141yyyyD5 (yyyy=0002-0085)	14,1	20-850
KSAS010142yyyyHE KSAS010142yyyyVE KSAS010142yyyyD5 (yyyy=0002-0084)	14,2	20-840
KSAS010143yyyyHE KSAS010143yyyyVE KSAS010143yyyyD5 (yyyy=0002-0083)	14,3	20-830
KSAS010144yyyyHE KSAS010144yyyyVE KSAS010144yyyyD5 (yyyy=0002-0083)	14,4	20-830
KSAS010145yyyyHE KSAS010145yyyyVE KSAS010145yyyyD5 (yyyy=0002-0082)	14,5	20-820
KSAS010146yyyyHE KSAS010146yyyyVE KSAS010146yyyyD5 (yyyy=0002-0082)	14,6	20-820
KSAS010147yyyyHE KSAS010147yyyyVE KSAS010147yyyyD5 (yyyy=0002-0081)	14,7	20-810
KSAS010148yyyyHE KSAS010148yyyyVE KSAS010148yyyyD5 (yyyy=0002-0081)	14,8	20-810
KSAS010149yyyyHE KSAS010149yyyyVE KSAS010149yyyyD5 (yyyy=0002-0080)	14,9	20-800

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No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010150yyyyHE KSAS010150yyyyVE KSAS010150yyyyD5 (yyyy=0001-0080)	15,0	10-800
KSAS010151yyyyHE KSAS010151yyyyVE KSAS010151yyyyD5 (yyyy=0001-0079)	15,1	10-790
KSAS010152yyyyHE KSAS010152yyyyVE KSAS010152yyyyD5 (yyyy=0001-0078)	15,2	10-780
KSAS010153yyyyHE KSAS010153yyyyVE KSAS010153yyyyD5 (yyyy=0001-0078)	15,3	10-780
KSAS010154yyyyHE KSAS010154yyyyVE KSAS010154yyyyD5 (yyyy=0001-0077)	15,4	10-770
KSAS010155yyyyHE KSAS010155yyyyVE KSAS010155yyyyD5 (yyyy=0001-0077)	15,5	10-770
KSAS010156yyyyHE KSAS010156yyyyVE KSAS010156yyyyD5 (yyyy=0001-0076)	15,6	10-760
KSAS010157yyyyHE KSAS010157yyyyVE KSAS010157yyyyD5 (yyyy=0001-0076)	15,7	10-760
KSAS010158yyyyHE KSAS010158yyyyVE KSAS010158yyyyD5 (yyyy=0001-0075)	15,8	10-750
KSAS010159yyyyHE KSAS010159yyyyVE KSAS010159yyyyD5 (yyyy=0001-0075)	15,9	10-750
KSAS010160yyyyHE KSAS010160yyyyVE KSAS010160yyyyD5 (yyyy=0001-0075)	16,0	10-750

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No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010161yyyyHE KSAS010161yyyyVE KSAS010161yyyyD5 (yyyy=0001-0074)	16,1	10-740
KSAS010162yyyyHE KSAS010162yyyyVE KSAS010162yyyyD5 (yyyy=0001-0074)	16,2	10-740
KSAS010163yyyyHE KSAS010163yyyyVE KSAS010163yyyyD5 (yyyy=0001-0073)	16,3	10-730
KSAS010164yyyyHE KSAS010164yyyyVE KSAS010164yyyyD5 (yyyy=0001-0073)	16,4	10-730
KSAS010165yyyyHE KSAS010165yyyyVE KSAS010165yyyyD5 (yyyy=0001-0072)	16,5	10-720
KSAS010166yyyyHE KSAS010166yyyyVE KSAS010166yyyyD5 (yyyy=0001-0072)	16,6	10-720
KSAS010167yyyyHE KSAS010167yyyyVE KSAS010167yyyyD5 (yyyy=0001-0071)	16,7	10-710
KSAS010168yyyyHE KSAS010168yyyyVE KSAS010168yyyyD5 (yyyy=0001-0071)	16,8	10-710
KSAS010169yyyyHE KSAS010169yyyyVE KSAS010169yyyyD5 (yyyy=0001-0071)	16,9	10-710
KSAS010170yyyyHE KSAS010170yyyyVE KSAS010170yyyyD5 (yyyy=0001-0070)	17,0	10-700
KSAS010171yyyyHE KSAS010171yyyyVE KSAS010171yyyyD5 (yyyy=0001-0070)	17,1	10-700

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No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010172yyyyHE KSAS010172yyyyVE KSAS010172yyyyD5 (yyyy=0001-0069)	17,2	10-690
KSAS010173yyyyHE KSAS010173yyyyVE KSAS010173yyyyD5 (yyyy=0001-0069)	17,3	10-690
KSAS010174yyyyHE KSAS010174yyyyVE KSAS010174yyyyD5 (yyyy=0001-0068)	17,4	10-680
KSAS010175yyyyHE KSAS010175yyyyVE KSAS010175yyyyD5 (yyyy=0001-0068)	17,5	10-680
KSAS010176yyyyHE KSAS010176yyyyVE KSAS010176yyyyD5 (yyyy=0001-0068)	17,6	10-680
KSAS010177yyyyHE KSAS010177yyyyVE KSAS010177yyyyD5 (yyyy=0001-0067)	17,7	10-670
KSAS010178yyyyHE KSAS010178yyyyVE KSAS010178yyyyD5 (yyyy=0001-0067)	17,8	10-670
KSAS010179yyyyHE KSAS010179yyyyVE KSAS010179yyyyD5 (yyyy=0001-0067)	17,9	10-670
KSAS010180yyyyHE KSAS010180yyyyVE KSAS010180yyyyD5 (yyyy=0001-0066)	18,0	10-660
KSAS010181yyyyHE KSAS010181yyyyVE KSAS010181yyyyD5 (yyyy=0001-0066)	18,1	10-660
KSAS010182yyyyHE KSAS010182yyyyVE KSAS010182yyyyD5 (yyyy=0001-0065)	18,2	10-650

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No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010183yyyyHE KSAS010183yyyyVE KSAS010183yyyyD5 (yyyy=0001-0065)	18,3	10-650
KSAS010184yyyyHE KSAS010184yyyyVE KSAS010184yyyyD5 (yyyy=0001-0065)	18,4	10-650
KSAS010185yyyyHE KSAS010185yyyyVE KSAS010185yyyyD5 (yyyy=0001-0065)	18,5	10-650
KSAS010186yyyyHE KSAS010186yyyyVE KSAS010186yyyyD5 (yyyy=0001-0064)	18,6	10-640
KSAS010187yyyyHE KSAS010187yyyyVE KSAS010187yyyyD5 (yyyy=0001-0064)	18,7	10-640
KSAS010188yyyyHE KSAS010188yyyyVE KSAS010188yyyyD5 (yyyy=0001-0063)	18,8	10-630
KSAS010189yyyyHE KSAS010189yyyyVE KSAS010189yyyyD5 (yyyy=0001-0063)	18,9	10-630
KSAS010190yyyyHE KSAS010190yyyyVE KSAS010190yyyyD5 (yyyy=0001-0063)	19,0	10-630
KSAS010191yyyyHE KSAS010191yyyyVE KSAS010191yyyyD5 (yyyy=0001-0062)	19,1	10-620
KSAS010192yyyyHE KSAS010192yyyyVE KSAS010192yyyyD5 (yyyy=0001-0062)	19,2	10-620
KSAS010193yyyyHE KSAS010193yyyyVE KSAS010193yyyyD5 (yyyy=0001-0062)	19,3	10-620

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CERTIFICATE

No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010194yyyyHE KSAS010194yyyyVE KSAS010194yyyyD5 (yyyy=0001-0061)	19,4	10-610
KSAS010195yyyyHE KSAS010195yyyyVE KSAS010195yyyyD5 (yyyy=0001-0061)	19,5	10-610
KSAS010196yyyyHE KSAS010196yyyyVE KSAS010196yyyyD5 (yyyy=0001-0061)	19,6	10-610
KSAS010197yyyyHE KSAS010197yyyyVE KSAS010197yyyyD5 (yyyy=0001-0060)	19,7	10-600
KSAS010198yyyyHE KSAS010198yyyyVE KSAS010198yyyyD5 (yyyy=0001-0060)	19,8	10-600
KSAS010199yyyyHE KSAS010199yyyyVE KSAS010199yyyyD5 (yyyy=0001-0060)	19,9	10-600
KSAS010200yyyyHE KSAS010200yyyyVE KSAS010200yyyyD5 (yyyy=0001-0060)	20,0	10-600
KSAS010201yyyyHE KSAS010201yyyyVE KSAS010201yyyyD5 (yyyy=0001-0059)	20,1	10-590
KSAS010202yyyyHE KSAS010202yyyyVE KSAS010202yyyyD5 (yyyy=0001-0059)	20,2	10-590
KSAS010203yyyyHE KSAS010203yyyyVE KSAS010203yyyyD5 (yyyy=0001-0059)	20,3	10-590
KSAS010204yyyyHE KSAS010204yyyyVE KSAS010204yyyyD5 (yyyy=0001-0058)	20,4	10-580

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Product Service

CERTIFICATE

No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010205yyyyHE KSAS010205yyyyVE KSAS010205yyyyD5 (yyyy=0001-0058)	20,5	10-580
KSAS010206yyyyHE KSAS010206yyyyVE KSAS010206yyyyD5 (yyyy=0001-0058)	20,6	10-580
KSAS010207yyyyHE KSAS010207yyyyVE KSAS010207yyyyD5 (yyyy=0001-0057)	20,7	10-570
KSAS010208yyyyHE KSAS010208yyyyVE KSAS010208yyyyD5 (yyyy=0001-0057)	20,8	10-570
KSAS010209yyyyHE KSAS010209yyyyVE KSAS010209yyyyD5 (yyyy=0001-0057)	20,9	10-570
KSAS010210yyyyHE KSAS010210yyyyVE KSAS010210yyyyD5 (yyyy=0001-0057)	21,0	10-570
KSAS010211yyyyHE KSAS010211yyyyVE KSAS010211yyyyD5 (yyyy=0001-0056)	21,1	10-560
KSAS010212yyyyHE KSAS010212yyyyVE KSAS010212yyyyD5 (yyyy=0001-0056)	21,2	10-560
KSAS010213yyyyHE KSAS010213yyyyVE KSAS010213yyyyD5 (yyyy=0001-0056)	21,3	10-560
KSAS010214yyyyHE KSAS010214yyyyVE KSAS010214yyyyD5 (yyyy=0001-0056)	21,4	10-560
KSAS010215yyyyHE KSAS010215yyyyVE KSAS010215yyyyD5 (yyyy=0001-0055)	21,5	10-550

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Product Service

CERTIFICATE

No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010216yyyyHE KSAS010216yyyyVE KSAS010216yyyyD5 (yyyy=0001-0055)	21,6	10-550
KSAS010217yyyyHE KSAS010217yyyyVE KSAS010217yyyyD5 (yyyy=0001-0055)	21,7	10-550
KSAS010218yyyyHE KSAS010218yyyyVE KSAS010218yyyyD5 (yyyy=0001-0055)	21,8	10-550
KSAS010219yyyyHE KSAS010219yyyyVE KSAS010219yyyyD5 (yyyy=0001-0054)	21,9	10-540
KSAS010220yyyyHE KSAS010220yyyyVE KSAS010220yyyyD5 (yyyy=0001-0054)	22,0	10-540
KSAS010221yyyyHE KSAS010221yyyyVE KSAS010221yyyyD5 (yyyy=0001-0054)	22,1	10-540
KSAS010222yyyyHE KSAS010222yyyyVE KSAS010222yyyyD5 (yyyy=0001-0054)	22,2	10-540
KSAS010223yyyyHE KSAS010223yyyyVE KSAS010223yyyyD5 (yyyy=0001-0053)	22,3	10-530
KSAS010224yyyyHE KSAS010224yyyyVE KSAS010224yyyyD5 (yyyy=0001-0053)	22,4	10-530
KSAS010225yyyyHE KSAS010225yyyyVE KSAS010225yyyyD5 (yyyy=0001-0053)	22,5	10-530
KSAS010226yyyyHE KSAS010226yyyyVE KSAS010226yyyyD5 (yyyy=0001-0053)	22,6	10-530

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CERTIFICATE

No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010227yyyyHE KSAS010227yyyyVE KSAS010227yyyyD5 (yyyy=0001-0052)	22,7	10-520
KSAS010228yyyyHE KSAS010228yyyyVE KSAS010228yyyyD5 (yyyy=0001-0052)	22,8	10-520
KSAS010229yyyyHE KSAS010229yyyyVE KSAS010229yyyyD5 (yyyy=0001-0052)	22,9	10-520
KSAS010230yyyyHE KSAS010230yyyyVE KSAS010230yyyyD5 (yyyy=0001-0052)	23,0	10-520
KSAS010231yyyyHE KSAS010231yyyyVE KSAS010231yyyyD5 (yyyy=0001-0051)	23,1	10-510
KSAS010232yyyyHE KSAS010232yyyyVE KSAS010232yyyyD5 (yyyy=0001-0051)	23,2	10-510
KSAS010233yyyyHE KSAS010233yyyyVE KSAS010233yyyyD5 (yyyy=0001-0051)	23,3	10-510
KSAS010234yyyyHE KSAS010234yyyyVE KSAS010234yyyyD5 (yyyy=0001-0051)	23,4	10-510
KSAS010235yyyyHE KSAS010235yyyyVE KSAS010235yyyyD5 (yyyy=0001-0051)	23,5	10-510
KSAS010236yyyyHE KSAS010236yyyyVE KSAS010236yyyyD5 (yyyy=0001-0050)	23,6	10-500
KSAS010237yyyyHE KSAS010237yyyyVE KSAS010237yyyyD5 (yyyy=0001-0050)	23,7	10-500

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Product Service

CERTIFICATE

No. Z1A 10 08 48694 920

Model No.	Rated output voltage (V d.c.)	Rated output current (mA)
KSAS010238yyyyHE KSAS010238yyyyVE KSAS010238yyyyD5 (yyyy=0001-0050)	23,8	10-500
KSAS010239yyyyHE KSAS010239yyyyVE KSAS010239yyyyD5 (yyyy=0001-0050)	23,9	10-500
KSAS010240yyyyHE KSAS010240yyyyVE KSAS010240yyyyD5 (yyyy-0001-0050)	24,0	10-500

-End-

Test report no.: 6421008039502

Date, 2010-08-18

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適合性同等検査合格書

Statement of Conformity Assessment

電気用品安全法第８条第１項に規定する技術基準及び同法第９条第２項の経済産業省令で定める基準（法第９条第１項第２号に係る検査に係るものに限る）に適合していることを証明します

I hereby certify that the product mentioned below complies with the technical requirements stipulated in Paragraph 1 of Article 8 of Electrical Appliance and Material Safety Law(hereunder referred to as the Law) and the requirements defined by the ordinance of the Ministry of Economy, Trade and Industry based on Paragraph 2 of Article 9 of the Law (limited to Item 2 of Paragraph 1 of Article 9 for Inspection of the Law).

１．合格書番号 Statement Number：ＪＥＴ２７０５－６１０１０－２０２６

２．発行年月日 Date of Issue：平成21年 8月20日 August 20 2009

３．有効年月日 Date of Validity：平成26年 8月19日 August 19 2014

４．申込者名 (Applicant)

住所 Address：6TH HONGHUA ROAD, GONGMING TOWN, BAOAN DISTRICT, SHENZHEN, PEOPLE'S REPUBLIC OF CHINA

氏名又は名称 Name：KUANTECH (SHENZHEN) CO., LTD.

５．特定電気用品名 Name of Product：直流電源装置 DC power supply units

６．型式の区分 Type Classification：別紙のとおり See attached "Type Classification"

７．製造工場名 (Manufacturer)

住所 Address：6TH HONGHUA ROAD, GONGMING TOWN, BAOAN DISTRICT, SHENZHEN, PEOPLE'S REPUBLIC OF CHINA

氏名又は名称 Name：KUANTECH (SHENZHEN) CO., LTD.

８．適用試験規格 Applied Standard for Testing：電気用品の技術上の基準を定める省令第2項 Article 2 of The Technical Requirements of the METI Ordinance J60950(H19)及びJ55001(H14)

J60950(H19) and J55001(H14)

９．適合性検査の方法：(Testing Method for Conformity Assessment)

1)試験用の特定電気用品については、電気用品の技術上の基準を定める省令に定める方法

With respect to testing for Category A products, the testing method is based on the technical requirements of the Electrical Appliance amd Material stipulated in the METI Ordinance.

2)当該特定電気用品に係る届出事業者又は事業場における検査設備については、電気用品安全法施行規則別表第四の検査設備の欄に掲げる検査設備ごとにそれぞれ同表の技術上の基準の欄に掲げる方法

With respect to inspection facilities required for Category A products at the factory, Testing Method described in the column of the technical requirements for each inspection facilities in the column of inspection facilities is shown in the Appendix 4 of Enforcement Regulations of the Law.

財団法人　電気安全環境研究所
Japan Electrical Safety & Environment technology Laboratories(JET)
理事長 末廣　惠雄
President Shigeo Suehiro

東京都渋谷区代々木５－１４－１２ (5-14-12, Yoyogi, Shibuya-ku, Tokyo)

適合性同等検査合格書別紙

Statement of Conformity Assessment

型　式　の　区　分

Type Classification

要　素 Factor	区　分 Classification
定格入力電圧 Rated input voltage	(1) 125V以下のもの 125V or less
	(2) 125Vを超えるもの Exceeding 125V
入力側の定格容量 Rated capacity on input side	(3) 20VAを超え30VA以下のもの Exceeding 20VA, and less than or equal to 30VA
	(4) 30VAを超え40VA以下のもの Exceeding 30VA, and less than or equal to 40VA
定格周波数（変圧器を有するものの場合に限る。） Rated frequency (limited to those with transformers)	(1) 50Hzのもの 50Hz
	(2) 60Hzのもの 60Hz
交流用端子 Alternating current terminal	(2) ないもの Without A.C. terminal
直流定格電圧 Rated direct current voltage	(1) 15V以下のもの 15V or less
変圧器 Transformer	(1) あるもの With transformer
変圧器の巻線の絶縁の種類 Transformer winding insulation class	(2) E種のもの Class E
直流電圧の調整装置 D.C. voltage adjusting mechanism	(2) ないもの Without adjusting mechanism
回路の保護機構 Circuit protection device	(1) あるもの With circuit protection device
器体スイッチ（主回路を開閉するものの場合に限り、自動スイッチ及び自動温度調節器を除く。） Body switch (limited to those used for turning the main circuit on and off, and excluding temperature limiters and thermostats.)	(2) ないもの Without body switch
外郭の材料 Outer case materials	(2) 合成樹脂のもの Plastic
用途 Application	(4) その他のもの Others
電源電線と器体との接続の方式 Power supply connections	(2) 接続器利用のもの Coupling device
二重絶縁 Double insulation	(1) 施してあるもの With double insulation

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適合性同等検査合格書別紙

Statement of Conformity Assessment

型　式　の　区　分

Type Classification

要　素 Factor	区　分 Classification
これ以下、組み合わせ The combinations of the above classifications are as follows.	
定格入力電圧 Rated input voltage	(1) 125V以下のもの 125V or less
入力側の定格容量 Rated capacity on input side	(3) 20VAを超え30VA以下のもの Exceeding 20VA, and less than or equal to 30VA
組み合わせ The combinations	
定格入力電圧 Rated input voltage	(2) 125Vを超えるもの Exceeding 125V
入力側の定格容量 Rated capacity on input side	(4) 30VAを超え40VA以下のもの Exceeding 30VA, and less than or equal to 40VA

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