Product Description:

Product Features: Areas of application:

KPS high power 1KW series is a double-window four digit display programmable switching DC voltage stabilized power supply. This product

is beautiful in appearance, small in size, light in weight, powerful in function and simple in operation. It is suitable for testing in aerospace and

defense, consumer electronics, computers and peripherals, communications, semiconductors, solar energy and automotive electronics. The

product can display voltage and current simultaneously. The output voltage and output current are adjusted by encoded potentiometers and

can be continuously adjusted between 0 and nominal values. It has significant advantages such as high power, high current, fast response,

fast load transient response, low noise, easy to use, etc. The stability and ripple coefficient of the power supply are very good. With complete

short circuit protection, over-voltage protection, over-current protection, over-temperature protection and other protection circuits, it can work

for a long time at full load, and is well received by users.

1). Small size and light weight, suitable for bench use and rack mounting;

2). Exquisite appearance, flexible operation, easy to use;

3). High precision, the internal use of the original chip, stable and reliable performance;

4). Adopt high gain amplifier circuit design, with good fast load transient response,

preventing unnecessary voltage offset;

5). Adopt PWM modulation, high efficiency, more power saving;

6). Temperature controlled fan cooling, low noise and long life.

7). Built-in OVP over-voltage protection, OCP over-current protection, OPP overload protection,

OTP over-temperature protection, complete and reliable protection function;

8). Preset voltage and current, OUT output function

9). The product has a short-circuit protection alarm function

10). Can be (optional) equipped with a host computer communication interface,

for PC or PLC remote control

1). Electrolytic plating

2). Product aging test

3). Production line test

4). Battery charging

5). Electronic equipment testing

6). Laboratory R&D testing

7). School Teaching Experiment

8). Telecommunication and power

Operational Requirement	Input voltage: AC 220V±10%;50Hz (110V can be customized)
	Operating temperature:0℃～40℃;Relative humidity:<80%RH
	Storage temperature:−10℃～70℃;Relative humidity:<70%RH
Output Voltage	0-Rated (see specification sheet)
Output Current	0-Rated (see specification sheet)
Output Power	0-Rated (see specification sheet)
Setpoint Resolution	Voltage: 0.01V, Current: 0.01A
Display value resolution	Voltage: 0.01V, Current: 0.01A
Regulated state CV	Voltage Stability: 0.5%±20mV
	Load Stability: 0.5%±20mV
	Ripple Voltage: ≤0.5% Vp-p
Steady state CC	Current Stability: 0.5%±20mA
	Load Stability: 0.5%±20mA
	Ripple Current: ≤0.5% Vp-p
	Temperature Coefficient: ≤100ppm/°C
Display	0.56-inch white four-digit digital tube two sets of display
	Display accuracy: 0.5%±3 words
	Display resolution: voltage: 0.01V, current: 0.01A
Rise Time	No Load: ≤15ms
	Fully Loaded: ≤30ms
Dynamic response time	≤2ms
Functionality	OUT output switch, OCP short circuit protection
Protective Function	OVP over-voltage protection, OCP over-current protection, OPP overload protection, OTP over-temperature protection
Random Accessory	AC Power Cord x 1
	Operation Manual x 1
	Warranty card certificate x 1
	Wiring copper terminals x 2
Optional Accessories	Output power supply line (alligator clip test line), on-site communication function