



KMV SERIES

REGULATED DC POWER SUPPLY

User's Manual

Welcome to use Sky Top power DC Power supplies, read this manual before operating this unit.

General

- This power supply is a regulated DC power supply which you can adjust the current and the voltage continuously. We use the LED to display the values of the current and the voltage. And the output terminal is a 4mm “banana”jack.
- This power supply can be used in the electronic circuit such as the operational amplifier, digital logic circuit and so on. The users include the electron fans, research people and the professional people.
- We use the 3 1/2 LED to display the values of the voltage and the current.
 - 1) the voltage display accuracy: LED 1%2 byte
 - 2) the current display accuracy: LED 1%2 byte

Specifications

- Model :STP3003/3005/3010; STP6003/6005
- Input voltage :110V/220VAC±10%
- Frequency range :50/60Hz
- Output: DC 0~30V,0~3A/5A/10A or DC 0~60V,0~3A/5A
- Load regulation: ≤0.3%+5mV
- Ripple: ≤10mVrms
- Operating temperature : 0°C~ +40°C
- Storage temperature : -10°C~ +70°C
- Storage and operating humidity: ≤80%RH
- Altitude:≤2000m
- Pollution Degree: 2
- Dimensions: 226(L) *82(W) *138 (H) mm
- Net weight: ≤1.5kg
- Gross weight: ≤1.8 kg

Model	Output Voltage	Output Current
KMV 30-3	0~30V Adjustable	0~3A Adjustable
KMV 30-5	0~30V Adjustable	0~5A Adjustable
KMV 30-10	0~30V Adjustable	0~10A Adjustable
KMV 60-3	0~60V Adjustable	0~3A Adjustable
KMV 60-5	0~60V Adjustable	0~5A Adjustable

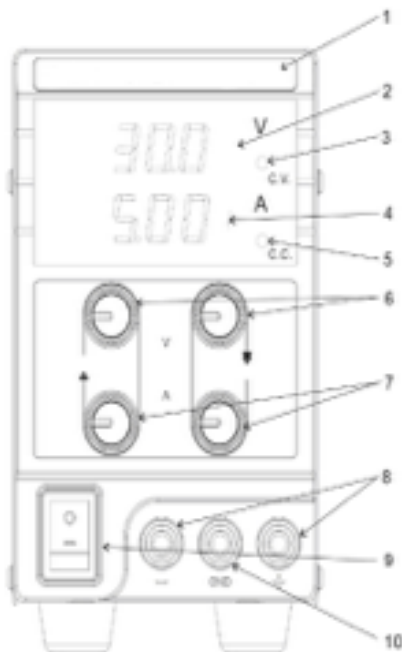
Features

- Leading technology: new PWM switch for voltage stabilization, MOS linear secondary voltage stabilization.
- Energy-saving and efficiency: Over 80% power, 40% higher than other liner power supplies on market.
- Light weight: less than1.5KG, 30% of other linear power supplies on the market.

- Intelligent temperature control: new technology, adjustable fan revolving speed based on load power, noise reduced and life prolonged.
- Quick reaction: Microsecond load, fast reaction
- Safe and reliable: Overload Protection, Overheating Protection, Overvoltage Protection, Short-circuit Protection etc.

The instruction of the front panel

- (1) KMV series power supply
- (2) Voltage meter: display the output voltage value
- (3) Voltage indicator: display the output voltage value
- (4) Current meter: display the output current value
- (5) Current indicator
- (6) Output voltage course and fine knob
- (7) Output current course and fine knob
- (8) Output “+” and “-” terminal
- (9) Power switch: control the power
- (10) Ground (Earth terminal)



Operations

- (1) Ensure that the power plug of this unit is connected to the **AC110VAC or 220VAC** power supply before using, switch the power ON, and adjust the (6) knobs to make the voltage to the desired value, and then plug your output cords in the output terminal (9), now the current meter (4) will show the current value, if you want to get the desired current value, you can calibrate the knob (7).
- (2) The limiting value of the output current is 5A (but it is different with the models), you must disconnect the power immediately when it is over load (the over load indicator (5) is on).
- (3) Setting of current limiting
 - Make sure the maximum safe current of outside load.
 - Use a short-circuit wire to short the current terminals (+) to (-).
 - Adjust the current knob to till the CC indicator on.
 - Adjust the current knob to the desired ampere.

- After setting the current value cover load protection . Then do not change the current control knob.

- Take off the short circuit wire. It is standby status now.

(4) The equipment is used in a manner not specified by the manufacture , the protection provided by the equipment may be impaired..

Safety device and maintenance

- You should keep this unit in the dry and good ventilation place after using. Disconnect the power cord if you don't use it for a long time.

- Do not put device on moist or wet background.

- The device is designed for indoor use only.

- Do not turn out for any extreme temperatures of direct solar radiation or extreme humidity or wetness.

- Replace defect fuse only with the original value fuse, please avoid short circuit of fuse and holder. The fuse is located on the rear panel adjacent to the power cord receptacle.

- Fuse rating is F5AL, 250VAC, but it is different with the models.

- Please take care of good temperature ventilation. Do not block the ventilation holes in the rear and side panel, as this will increase the internal temperature.

- Please keep the device out of children.

- Do not put any liquid near of the unit to avoid short circuit.

- Do not place the system near of strong magnetic fields.

- Before operation the system must be temperature stabilized to avoid humidity.

- Opening of the system and service is only allowed qualified service personal.

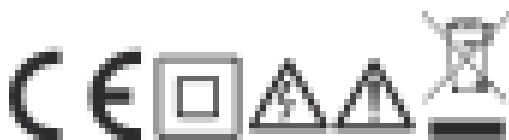


INFORMAZIONE AGLI UTENTI / INFORMATION FOR THE USERS

I – Il simbolo del cassonetto barrato riportato sull'apparecchiatura indica che il prodotto alla fine della propria vita utile deve essere raccolto separatamente dagli altri rifiuti. L'utente dovrà, pertanto, conferire l'apparecchiatura integra dei componenti essenziali giunta a fine vita agli idonei centri di raccolta differenziata dei rifiuti elettrici ed elettronici, oppure riconsegnarla al rivenditore al momento dell'acquisto di nuova apparecchiatura di tipo equivalente. Lo smaltimento abusivo del prodotto da parte dell'utente comporta l'applicazione delle sanzioni amministrative di cui al Decreto Legislativo N. 49 del 14 Marzo 2014.

GB – At the end of its life, the device has to be separated from the other waste. Consign the device and all its components together to a center of electrical and electrotechnical waste recycling center, designated by your local authorities.

MADE IN CHINA



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