POWERTECH PLUS

0-36VDC 0-5A Slimline 80W Lab Power Supply MP-3842 User Manual

FUNCTION

This product has a high-precision output and low ripple AC / DC power. It can provide a DC output voltage within the range of 0-36V.

It's designed to provide continuous power output of 80W Max, It can be used for electronic products in laboratories, factories and even at home as a high-precision power supply.

SPECIFICATIONS

INPUT:

Input Voltage:	100-240V AC 60/50 Hz
Input Current:	1100mA
Fuse:	250V 2A
Input line:	0.75mm^2 1.8m

OUTPUT:

Voltage 1:	0-16V/DC 0-5A (max)
Voltage 2:	0-27V/DC 0-3A (max)
Voltage 3:	0-36V/DC 0-2.2A (max)
Output Power:	80(MAX)
Operation temperature:	0° - 40°
Store temperature:	-20° - 60°
Size:	53(W) x 300(L) x 138(H)mm
Weight:	866g

PANEL

1. The digital voltmeter
2. Digital ammeter
3. "CV" Output Mode
4. "CC" Output Mode
5. Current adjustment knob
6. Voltage adjusting knob
7. Output select button
8. Output ON / OFF
9. DC output negative
10. DC output negative
11. AC Mains power switch
12. AC Mains inlet

INSTRUCTIONS

1. Before using the device, check if the AC input voltage is within 100-240V AC range.
2. Turn ON the AC Mains power switch.
3. Select the output power:
    - Ø Maximum output voltage of 16V, maximum current 5A
    - Ø Maximum output voltage of 27V, maximum current 3A
    - Ø Maximum output voltage of 36V, maximum current 2.2A
4. Adjust the voltage and current: Press the Output select button until LED starts flashing. Adjust the voltage / current knob to the desired output voltage. Press the knob to confirm.
5. Press output ON button
6. Turn OFF the Output and turn OFF the AC Mains power switch after using device.

WARNING

1. Do not place objects on the device.
2. The product is for indoor use only. Do not expose to sun or rain.
3. Ensure proper ventilation when using the device.
4. Ensure the device is mounted properly on an even surface.
5. When replacing the fuse, use the same type/size fuse.
6. When replacing the AC Mains input cable, ensure wires are equal to or greater than 0.75 mm2.
7. The device has short circuit and overcurrent protection.
8. Do not overload the device above the rated voltage and current. This will trigger the overcurrent /short circuit protection.
9. Do not attempt to repair the device.

SAFETY TIPS

1. Do not disassemble.
2. Avoid exposure to excessive heat (over 60 degrees Celsius).
3. Do not expose to wet or corrosive environments.
4. Do not short the output.
5. Do not put pressure on the device.
6. This product is not a toy. Keep out of reach of children.