User Manual: Multi-way output metal boxed power supply (Relay alarm)

Product Introduction

Please verify whether the packaging model is consistent with the actual demand. What you now have is a certain model of the box-type UPS switching power supply series. The output voltage of this series of models is 12V, the output specification is 5A, and 8 outputs. The output power is 60W. The power supply adopts white lacquered metal shell, supports fire alarm control function, can be built-in 12V7Ah lead-acid battery (UPS), and the conversion efficiency is higher than 78%. This series of power supply has functions such as overvoltage protection, overcurrent protection, short circuit protection and status indication , suitable for most security power supply environments.

Working Principle

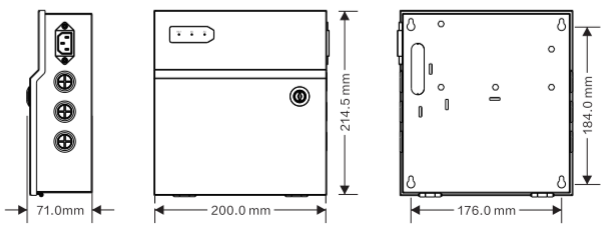
When powered by the mains AC, the power supply is responsible for supplying power to the load and charging the battery at the same time; when there is a power failure, the battery supplies power to the load and enters the battery voltage monitoring stage. When it is detected that the voltage of the battery drops to 10.5V, the circuit automatically disconnects the load and no longer supplies power to the load to prevent the battery from being over-discharged, thereby protecting the battery and prolonging its service life; Be prepared for sudden power outages.

Technical Parameters

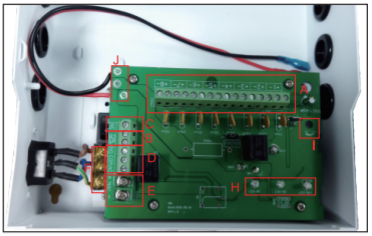
Input voltage	100-240 V~ 50/60 Hz
Input current	1.6 A Max
Output voltage	12 Vdc
Output power	60 W
Output current	5.0 A
Ripple noise	≤ 250 mV
Voltage adjustment range	11-13.8 V
Load loss	≤ 5 W
Conversion efficiency	≥ 78%
Battery access	12V/7Ah lead-acid battery, built-in (size limit)

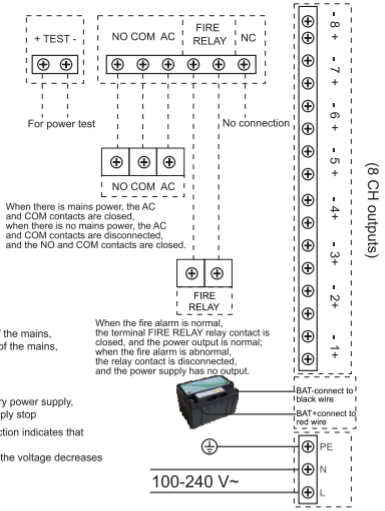
Appearance

1. Size: L 214.5 mm x W 200 mm x H 71 mm
2. Input: L,N,PE screw terminals
3. Output: 635 screw locking terminal



Function Description





A: 8 CH outputs

B: FIRE RELAY connected to fire alarm relay, normally closed contact

C: NC no connection

D: When there is mains power supply, the AC and COM contacts are closed, when there is no mains power supply, the AC and COM contacts are disconnected, and the NO and COM contacts are closed

E: For power test

F: L is connected to the live line of the mains, N is connected to the neutral line of the mains, and PE is connected to the earth

H: LED- AC means mains input, LED-DC means DC output, LED-BAT green light means battery power supply, red light means battery power supply stop

I: Voltage adjustment, the V+ direction indicates that the voltage increases, and the V- direction indicates that the voltage decreases

J: Connect battery

Working Environment

Working temperature: -10-35℃ Storage temperature: -25-65℃ Altitude: ≤ 2000 meters

Storage humidity: 10-95%RH Working humidity: 20-90%RH non-condensing

Precautions

1. Please pay attention to reasonable space planning during installation to ensure that the power supply can support out-of-the-box operation.
2. Before powering on, please check whether the input and output cables are connected correctly, so as not to damage the user equipment.
3. The power input status indicator lights up after plugging in. If it is not on, please check whether the wiring is wrong. If there is still no normal output, please send it for maintenance.
4. In actual use, if the required power does not match the selected model, please inform the merchant in time so that the matching model can be replaced in time.
5. Do not install the power supply in direct sunlight, high temperature, rain and dusty places, and try to install it in a ventilated place. Do not block the heat dissipation window of the power supply during installation.
6. It must be noted that it cannot be used in an environment with water splashes and drops.

Product Picture



