

Installation Instructions

Switch mode power supply 12V DC, 5 Amp

Installation:

- Read carefully before installing and using this device
- Installation and repair must be carried out by certified professional or qualified electrician in accordance with all relevant safety regulations applicable to the application.
- Power supply must use installed on a fused spur from the mains supply
- This device must be earthed
- This unit is only suitable for installation as permanently connected equipment
- The power supply is NOT SUITABLE for outdoor installation

Mounting:

1. Mount securely in the correct designated place.
2. Route mains and low voltage output cables via the different knockouts and/or cable entry holes available on the metal box.

Mains Power Up:

1. Connect correctly rated mains cables to the mains input terminals
2. Apply mains power and check the 12V load outputs and the RED power LED
3. Disconnect the mains power.

Load Output:

1. Connect correctly rated load cables (NOTE: Ensure correct polarity)
2. Apply mains power and check the 12V load output and the DC 12V green LED
3. Disconnect mains power.

Standby Battery:

1. Connect the battery cables to the battery (NOTE: Ensure correct polarity)
 - a. Positive uses RED lead
 - b. Negative uses BLACK lead
2. Apply mains power and check the yellow CHARGE LED
3. Disconnect mains power and check that the batteries continue to supply voltage and current on the 12V load output (NOTE: Battery must have sufficient charge to supply the load)
4. Disconnect the battery cables

Operating Instructions:

- The unit is intended for use by service personnel, certified professional or qualified electrician
- There are NO USER SERVICEABLE parts inside
- The RED mains LED will be illuminated whilst the mains supply is present
- In the event of a fault condition, the LED will NOT be illuminated

Maintenance:

- There is no regular maintenance required of the power supply other than periodic testing of the battery with suited battery testing equipment
- Reference should be made to the battery manufacturer's documentation to determine typical/expected battery live with a view to periodic replacement of the battery
- If the output of the power supply fails, the cause of the failure should be investigated e.g., short circuit load
- The fault should be rectified before restoring power to the power supply to avoid damage or injury.

CAUTION – Risk of explosion if battery is replaced by an incorrect type. Use only Sealed Lead Acid batteries (SLA). Dispose of used batteries according to the battery manufacturer's instruction and all local and national regulations.

Technical specification:

Input	220 – 240 V AC
Frequency	50 / 60 HZ
Efficiency	82%
Output	12V DC
Rated current	5 Amp
Rated power	60W
Environment	-10°C to +40°C / 25 to 75% RH
Battery	1x 12V 7Ah SLA
Fuse	Output load and battery

Compliance:

This power supply unit meets the essential requirements of the following standards

BS EN 62368-1:2014+A11:2017

