

PB12

Power Supply Battery

Backup

USER MANUAL

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SPECIFICATIONS

Input	220 - 240V AC 50Hz		
Output	13.8V DC 0.2A Continuous		
Battery Backup	Maintenance Seal Lead-Acid		
-Output	12V 1.2Ah	20 Hours @ 60mA	
		10 Hours @ 110mA	
		1 Hour @ 720mA	
	(Typical EDAC dialler will be active for 6 hours)		
-Charge	Approx. 24 hours from full discharge with no other load		
	Constant voltage via 10 Ohm resistor float/standby use		
Load Regulation	2.75% 0-200mA output at rated voltage.		
Ripple	<3mV rms. @ 200mA (220V input)		
Protection	AC Input; None	DC Output; 1 Amp fuse	
Ambient Temperature	0 - 40°C		
Standards	Transformer to AS3108, AS3260 and PTC101		

These Specifications are subject to change without notice.

PB12 Operating Instructions

Description

The PB12 is designed to be used with the EDAC auto-diallers. The unit produces a continuous output of 13.8V DC at loads up to 200mA. During mains fail the internal battery can maintain operation for periods from one hour upwards depending on load. The 13.8V output is electrically regulated, providing a constant voltage over the 0 to 200mA output current range and providing standby charging of the battery.

Installation and connection

1. The PB12 is a totally enclosed metal unit designed for wall mounting or for use in a larger system. When housed in a larger cabinet, adequate ventilation should be provided.
2. All wiring should pass through the appropriate plastic glands in the sides of the unit.

3. Connect the load equipment (usually the EDAC dialler) to the 13.8V terminals ensuring the polarity is correct. (As described in the diagram). Two sets of terminals are provided to allow easy connection of multiple loads,
4. An Earth terminal is provided to allow easy connection to earth. This is useful for lightning protection purposes.
5. Apply power and check for the correct operation of the attached equipment.
6. Ensure that the cover is refitted using the M4 screw provided to prevent accidental shock and to ensure that the battery is held firmly.
7. If the supply cord of this unit is damaged the unit must be returned to the manufacturer or agent for the cord to be replaced.
8. The output circuit(s) of this unit must be installed and protected in accordance with wiring rules.

