



5A PSE

Model A1686



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Overview

The A1686 power supply is EN54-4 compliant. It is comprised of a combined power supply and monitored battery charger for 24V sealed lead acid batteries. It is available as a standalone unit or boxed in a vented metal enclosure which houses up to a 38Ah set of batteries. The unit features a selectable 5V or 8V output, temperature compensated battery charging, earth fault monitoring, fault relay dry contacts, open collector fault outputs and battery low voltage disconnect at 19.5V. A great feature of this power supply is that virtually all 'spare' power is available to the charger circuit allowing for rapid charging of large capacity batteries.

Specifications

Input	230Vac (+10% / -15%) 50-60Hz
Outputs	18-29V DC 5A Continuous (considering lowest output running on batteries) plus 5/8V (either selectable –not simultaneous) 4A max
Nominal Output	27.25V DC at 20°C
Loading	1.2A Continuous whilst simultaneously supplying 3.8A battery charge Current (EN54-4 I _{max} a) 5A whilst interrupting charger
O/C Fault Outputs	Mains Failed (MF active low) Common Fault (CF active low) & Fault (active high)
Indications	Output OK - Green LED, Mains Fault - Yellow LED, 5/8V Fault–Yellow LED Battery/Charge Fault - Yellow LED, Earth Fault - Yellow LED
Operating Temp	-5°C to 40°C ambient
Battery Type	Set of 2 x 12V SLA batteries *
Battery Fuse	8A 250v 20mm HRC fuse
Mains Fuse	4A (non serviceable)
Dimensions	350 x 130 x 55 mm
Boxed Dimensions	450 x 350 x 185 mm
Weight	1.4 Kg
Boxed Weight	7.15 Kg (without batteries)

* Temperature/charging characteristics based on using Powersonic brand SLA batteries (models PS12260 & PS12400)

Part Numbers

2500997	5A POWER SUPPLY A1686 (UNBOXED)
2500200	POWER SUPPLY 5A BOXED

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