



POWER SUPPLIES

BOXED POWER SUPPLY – LARGE METAL ENCLOSURE



**BOXED POWER SUPPLY
IN LARGE ENCLOSURE**

DESCRIPTION

The PSU2A-L power supply is housed in a large powder-coated sheet metal enclosure with a hinged lid for easy access and a key lock for extra security. This enclosure will easily accommodate 17 Ah batteries. Cable entry points and wall mounting holes are provided.

External LED indications are provided for AC Input On; 24VDC Output On; 24VDC Overload/Fault; and Supply Fault. Additional system status LEDs and fault indication LEDs are provided internally on the PSU board.

Two potential free fault relays are provided; one for the indication of the absence of the AC input and the other to indicate a general fault.

The output voltage is protected from an overload condition. If the current draw reaches maximum, this output will automatically shut down and auto-reset once the overload condition is removed.

The input circuit also has built-in surge protection.

FEATURES

- Modern switch-mode design
- Efficiency up to 85%
- Wide input range 100–250VAC
- Continuous short circuit protection with auto recover
- Over voltage protection
- LED indications
 - AC Input On
 - 24VDC Output On
 - 24VDC Overload / Fault
 - Supply Fault
- EN54 Compliant
- Lockable metal enclosure





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SPECIFICATIONS

AC Input Supply Voltage	100–250 VAC
Power Rating	50 Watts
AC Supply Current	1 A fused
Battery Input	Yes
Battery Charge Capacity	17 Ah (EN54 compliant)
Battery Charge Current	500 mA max
Batteries Monitored for Disconnect & Failure	Yes
Battery Deep Discharge Protection	Yes
Output Voltage	27 VDC, regulated
Load Current	1.2 A max continuous.
Boost Mode	1.2 A to 1.8 A. Continuous but no battery charging.
Overload Mode	Above 1.8 A. 10 Minutes only.
Common Fault Relay	Yes
AC Input Fail Relay	Yes
Overload Protection	Yes, Auto-reset
Panel Indicators	AC Input On; 24 VDC Output On; 24 VDC Overload / Fault; Supply Fault
PCB (LED) Internal Indicators	AC Fault; Output Fault; Charger Fault; Battery Fault; Earth Fault; Load Test; CPU Running
Weight (excl Batteries)	4.20 kg
Dimensions mm (L x H x D)	386 x 320 x 80 (excluding key)

ORDERING INFORMATION

Product Code	Product Description
PSU2A-L	Boxed PSU, 100-250 VAC to 24 VDC, 2 A Regulated, Large Metal Enclosure
PSU2A-ABS	Boxed PSU, 100-250 VAC to 24 VDC, 2 A Regulated, ABS Enclosure
PSU2A-WS	Boxed PSU, 100-250 VAC to 24 VDC, 2 A Regulated, Weatherproof Enclosure

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