



POWER SUPPLIES

BOXED POWER SUPPLY – WEATHERPROOF ENCLOSURE



**BOXED POWER SUPPLY
IN WEATHERPROOF ENCLOSURE**

DESCRIPTION

The robust Technoswitch Weatherproof Boxed Power Supply is ideal for use in industrial or outdoor applications.

Housed in a tough, durable powder-coated metal weatherproof enclosure, the power supply offers a DIN rail wiring strip, cable entry points, as well as wall mounting holes.

The Weatherproof enclosure will easily accommodate 7 Ah batteries.

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

- IP65 Enclosure, lockable
- 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





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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	7 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)	6.5 kg
Dimensions mm (L x H x D)	450 x 391 x 120
Enclosure	Mild Steel IP65, Matt Light Grey (ANP 37035)

ORDERING INFORMATION

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

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Document: DS/PSU2A-WS 200915 E & OE