



Auxiliary Power Supply

AUX24/4PSU-K003 24V-4A PSU

• Melbourne

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Product Overview:

The Pertronic **Auxiliary 24V 4A PSU** incorporates a 4 Amp Switch-Mode Power Supply with voltage monitoring and automatic battery test facilities.

Features:

- Space for two 12 Volt, 38Ahr sealed lead acid batteries
- Temperature compensated battery charger for longer battery life
- Microprocessor controlled, monitoring the battery and charger voltages, and performing timing functions for the 24-Hour Auto test
- Change-over relay contacts provide non-latching fault indication to external equipment
- Failsafe normally energised fault relay. Delayed operation (fault dependant)
- Standard Australian 003 lock for security
- Momentary operation of internal RESET button resets 24 hour timer
- Prolonged operation of internal RESET button starts the automatic battery test



Specifications:

Dimensions:	450 x 315 x 185	W x H x D mm
Weight:	8.35kg (excludes batteries)	
Material:	1.2mm mild steel, powder-coated beige	
AC Input:	200 - 260Vac, 0.8A maximum @ 50Hz ± 1%	
Turn-on Time	120ms at 230Vac @ 25°C	
Input Protection:	Internal 1A slow blow fuse	
Inrush Current:	Limited by internal thermistor	
Output Voltage:	27.4Vdc at 20°C	- nominal
Temperature compensation:	0.145%/°C set for battery charging	
Charger Current:	3A Continuous	
	4A Peak (24 hours maximum duration)	
Battery Type:	2 x 12V, ≤38Ah Sealed Lead-Acid (GelCell)	
Battery Test:	Automated 60 minute Load Test every 24 Hours	
Controls:	Reset / Timer initialisation switch	
Front Panel Indications:	Mains ON LED	- Green
	Auto-Test LED	- Yellow
	Battery/Charger Fault LED	- Yellow
Fault Relay Contact Rating:	1A @ 24Vdc	
Operating Temperature Range:	0°C to 40°C	

Mounting:

The power supply is designed to be wall-mounted. It should be mounted in a clean dry area, which provides natural convection between the unit and the wall and ensures the cooling slots are not restricted in any way.

Connections:

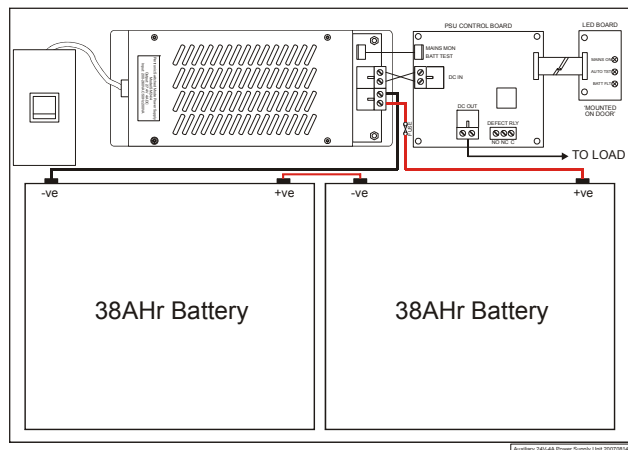
The PSU is fitted with a termination block with an integral three-pole switch for Mains wiring connection.

The Load Output (DC OUT) uses a 2 way terminal block on the bottom of the Monitor Board.

Care must be taken to prevent reverse polarity connections between the power supply and load.

The Fault relay provides clean NC-C-NO contacts rated at 1A @ 24V.

System Wiring:



Battery Details: Typical (Auscell)

Model	Amp/Hours	Dimensions: L x W x H mm	Weight (kg)
CJ12-7	7	151 x 65 x 95	2.55
CJ12-12	12	151 x 98 x 95	4.0
CJ12-18	18	181 x 77 x 167	5.7
CJ12-24	24	175 x 166 x 125	7.95
CJ12-33	33	195 x 130 x 159	10.3
CJ12-40	40	197 x 165 x 170	13.7

Ordering Information

Description

24V, 4A Monitored PSU in BATBOX 38

Battery Box: 450 x 315 x 185 (W x H x D mm) - maximum Battery size: 38Ah

Part Number

AUX24/4PSU

BATBOX38

PERTRONIC INDUSTRIES PTY LTD

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