



PSU130 (Chassis) & PSU131 (Boxed)
UNREGULATED DC POWER SUPPLY 12 VOLT 10 AMP

A high specification power supply rated at 10Amp's, in addition the unit supports the load during a mains power failure when optional standby batteries are fitted.

This power supply is suitable for a wide range of applications in the fire and security industry. Available as boxed or chassis only.

DIMENSIONS

Enclosure size Height 310mm Width 310mm Depth 110mm
Weight 5 Kg (Excluding batteries)

Chassis size Height 170mm Width 300mm Depth 100mm
Weight 3.75 Kg approx.

CONSTRUCTION

Then optional housing is a rugged steel vented enclosure with hinged lid, 20mm conduit knock-outs in the top and sides providing easy access into the enclosure.

The enclosure is powder coated white to match other office and industrial control systems.

The power supply is mounted separately from the steel enclosure on a removable aluminium chassis plate enabling easy mounting of the enclosure onto the wall. This feature also provides fuss free removal of the power supply at a later date should the unit require servicing or repair or the inter changing of PSU's of a different specification.

The front of the enclosure can also be screen printed with your company logo in one colour upon request.

TECHNICAL SPECIFICATION

Mains Input Voltage	230/240 volts 50/60 Hz
Mains Input Fuse	6.3 A Slow destroy
Mains Current Consumption	800mA { 10x >@ 1 Msec Inrush }
Battery Charge Volts	13.6 Volts Off Load (Adjustable)
Output Voltage	12 Volt DC On Load
Output Voltage	16.9 Volt DC Off Load
Output Fuse	10 Amp 10x38 Ceramic Fuse.
Continuous Operating Current	10 Amp
Maximum Operating Current	10 Amp
Battery Fuse	10 Amp Mini Blade Fuse

Mains Power Indication	YES
Fan cooled	YES
Remote Fault LED Indication	NO

ADVANCED FEATURES

All of this range are unregulated DC supplies which calculate to be 12 Volt or 24 Volt at the maximum load. If the maximum load is not drawn, the voltage is higher.

The unit has an independent battery charging circuit so the batteries are maintained at an optimum state, the batteries are also protected against deep discharge on longer power outages only if the BMV option is fitted, the batteries are switched on line by a control relay when mains fail.

There is also a 1A mains fail clean relay for remote signalling or other options.

These units are fan cooled, the output is fused and battery output is also fused.

There is provision for standby rechargeable batteries to be housed internally. { Batteries can be supplied phone for prices }

OPTIONS AVAILABLE

(Part no BML)

Battery disconnect module, this connects in-between the PSU and the battery so if someone take the battery away it will give you a fault condition on the PSU, this is done by a trigger wire form the module to the RA+ terminal on the PSU.

(Part no BMV)

Battery volts monitoring, this disconnects the battery when the volts are getting too low for practical operation of the system. This stops the battery from going into deep discharge and also causing problems upon re-charging.

(Part no PSU/F??)

Fuse distribution cards of any number can also be specified upon request these will be mounted inside the steel enclosure on pillars.

From 2 to 16 fuse outputs.

(Part no TAMP) Tamper switch this option is only available on boxed PSU's, this comes complete with wires (Black= common, Purple= normally closed, Yellow= normally open)

19" 3u rack mounted version also available.

Specifications and design are subject to possible modifications without notice due to improvement.

