

Caged Power Supplies

The Advanced 1.5A, 3.0A and 5.0A power supply units can be used for any fire alarm system which specifies EN54-4 power supply equipment.

Suited for almost any application, the power supply unit/battery charger has been developed using the latest surface mount technology to provide a high-efficiency switch mode power supply.

The power supply units are available in fully enclosed construction providing power and fault indication, or alternatively in caged versions for mounting into existing enclosures of various sizes to suit different battery capacities.

Applications / Limitations

For any fire alarm system which specifies EN54-4 power supplies (e.g. BS5839 code of practice).



Approvals

All power supply units are approved with the requirements of

- BS EN54-4: 1998
- EN55022: Class B Emissions Limits
- EN60950: 2000 Safety Standards

Features

- High efficiency switched mode power supplies
- Boxed or unboxed
- Compact 1.5A, 3.0A and 5.0A versions
- Power and fault indication
- 3 year warranty

Specification

Input Supply	1.5A PSE:220-240V AC, 50/60Hz, Fuse T3.15H250 3.0A/5.0A PSE:120-230V AC, 50/60Hz, Fuse T3.15H250
Output Voltage	Max 28.5V DC, Min 18.5V DC at minimum battery voltage of 19V with mains disconnected
Charger voltage	27.4V DC nominal at 20°C temperature compensated over the range -5°C to +45°C
Output Current	1.5A PSU: 1.0A continuous load, 0.5A battery charge 3.0A PSU: 2.0A continuous load, 1.0A battery charge [3.0A to load if configured for PSU only] 5.0A PSU: 3.0A continuous load, 2.0A battery charge [5.0A to load if configured for PSU only]
Dimensions H x W x D (mm), Weight (g)	1.5A: 105 x 94 x 38, 250g 3A/5A: 184 x 94 x 58, 690g
Environment	Indoor, dry
Fault Output	Volt-free change-over contacts rated 1A @ 30V dc
On Board Indication	Mains Fail, Charger Fail, Battery Open Circuit, Battery Low & Heartbeat

Order Codes and Options

MXS-049	Spare 1.5A EN54-4 PSU & Battery Charger
MXS-050	Spare 3.0A EN54-4 PSU & Battery Charger
MXS-051	Spare 5.0A EN54-4 PSU & Battery Charger

Compatibility

These power supply units can be used in any fire alarm installation requiring a 24 volt supply for operation.

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