

Elmdene's New 12-24 SMPSU Range

Product Overview

The new 'switchable' 12V dc / 24V dc switch mode range of power supplies has been designed for access control, CCTV and general purpose applications that require the use of a standby battery. All models possess a mains fail relay output and an independent ancillary relay that can be used for applications such as a 'Fire' door release relay. There are two enclosures available to house either 12V 7Ah or 17Ah batteries. The products use energy efficient switch mode technology and therefore have a universal mains supply input (90–264V ac).

On installation the units can be setup to provide either 13.8V or 27.6V dc by a simple PCB selection switch. They are available in three power variants with multi-fused output models if required.

Three power variants available are:

- 13.8V dc 8A / 27.6V dc 4A
- 13.8V dc 6A / 27.6V dc 3A
- 13.8V dc 4A / 27.6V dc 2A

All with full rated current to load and featuring a fully regulated output with low ripple and noise. Unboxed (module only) versions are also available if required.

Features

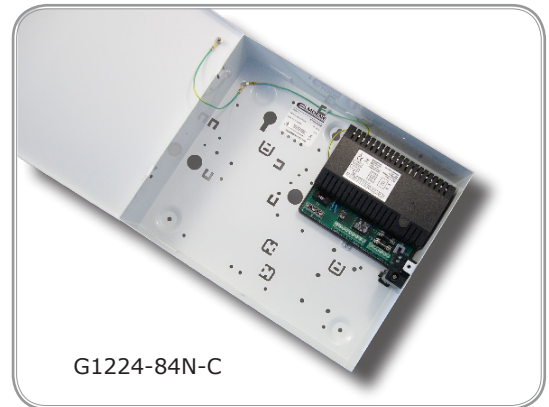
- Switchable 13.8V / 27.6V dc output
- Cost effective switch mode technology
- High energy efficiency - reducing energy bills
- Mains Fail relay output
- Independent ancillary relay
- Modular construction means easy maintenance and upgrading
- Full rated current to load + 0.5A battery charging
- 90 to 264V ac range
- Electronic overload protection
- Mains transient protection
- LED indication:
 - Mains status
 - Load output or PSU fuse fail
 - Output short circuit or low voltage
 - Battery low or missing
- Screen printing available
- Bespoke models available on request
- 3 year warranty

Approvals

CE mark



ELMDENE
Protecting People & Property
A POTTER Company



G1224-84N-C

Part Numbers

| Part No | Format | Rating | |
|---|--|--------|-------|
| | | 13.8V | 27.6V |
| G1224-42N-C | Metal Enclosure | 4A | 2A |
| G1224-42NU | Module Only | | |
| G1224-63N-C G1224-63N-H G1224-63N-R | Metal Enclosure | 6A | 3A |
| G1224-63NU | Module Only | | |
| G1224-84N-C G1224-84N-H G1224-84N-R | Metal Enclosure | 8A | 4A |
| G1224-84N-4-C G1224-84N-4-R | Metal Enclosure 4-way Fused Outputs | | |
| G1224-84N-8-C G1224-84N-8-R | Metal Enclosure 8-way Fused Outputs | | |
| G1224-84NU | Module Only | | |

Technical Information

| | |
|-----------------------|--|
| Mains input | 90V–264V ac @ 50–60Hz |
| Output (switchable) | 13.8Vdc / 27.6V dc |
| Maximum current | see table above |
| C Enclosure Size | 275H x 330W x 80D (mm) |
| Max Battery | 12V Mode (1 x 12V 7Ah) 24V Mode (2 x 12V 7Ah) |
| R Enclosure Size | 410H x 390W x 90D (mm) |
| Max Battery | 12V Mode (1 x 12V 17Ah) 24V Mode (2 x 12V 17Ah) |
| H Enclosure Size | 420H x 420W x 180D (mm) |
| | 12V Mode (1 x 12V 38Ah) 24V Mode (2 x 12V 38Ah) |
| Unboxed Module Size | 157L x 143W x 55H (mm) |
| Operating temperature | -10°C to 40°C at 95% RH |

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Specifications subject to change without notice.

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