

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



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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-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)	13.8V dc / 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)
Max Battery	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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