

24V dc G Range, BM Series

Product Overview

The new 24V G Range BM Series power supplies has been designed for access control, CCTV, fire systems (where compliance with EN54-4 is not required) and general purpose applications. The products use energy efficient switch mode technology and have a universal mains supply input (90–264V ac).

Elmdene's FOM4 or FOM8 units can be fitted to give 4 or 8 independent fused outputs if required.

The modular range consists of 1A, 2A, 3A, 5A and 10A power variants with full rated current to load and also feature a fully regulated output with low ripple and noise. Unboxed (module only) versions are also available if required, with DIN rail mount options for 1A and 2A models.

Advantages of Switch Mode Technology

Elmdene products using switch mode technology are typically 80-87% efficient. This can save your customers money by reducing their energy bills and carbon footprint.

Switch mode technology provides for lower power consumption, provides cool running and energy efficient products that can result in improved long term reliability.

Features

- 27.6V dc output
- Cost effective switch mode technology
- High energy efficient - reducing energy bills
- Mains and battery monitoring
- Volt-free fault outputs
- Modular construction means easy maintenance and upgrading
- Full rated current to load +0.8A battery charging
- 90 to 264V ac range
- Deep discharge protection
- Electronic overload protection
- Mains transient protection
- LED indication:
 - Mains status
 - Output or battery fuse fail
 - Output short circuit or low voltage
 - Battery low or missing
- Screen printing available
- 3 year warranty



G2403BM-C

Part Numbers

Part No	Amp Rating	Dimensions (mm) H x W x D	Will Fit Battery Size
G2401BM-C	1.0	275 x 330 x 80	2x12V 7Ah
G2401BM-R		410 x 390 x 90	2x12V 17Ah
G2402BM-C	2.0	275 x 330 x 80	2x12V 7Ah
G2402BM-R		410 x 390 x 90	2x12V 17Ah
G2403BM-C	3.0	275 x 330 x 80	2x12V 7Ah
G2403BM-R		410 x 390 x 90	2x12V 17Ah
G2405BM-C	5.0	275 x 330 x 80	2x12V 7Ah
G2405BM-R		410 x 390 x 90	2x12V 17Ah
G2405BM-H		420 x 420 x 180	2x12V 38Ah
G2410BM-E	10.0	420 x 400 x 80	2x12V 17Ah
G2410BM-H		420 x 420 x 180	2x12V 38Ah
Unboxed versions:			
G2401BMU	1.0	152L x 106W x 52H DIN RAIL	N/A
G2402BMU	2.0		
G2403BMU	3.0	157L x 146W x 55H	
G2405BMU	5.0		
G2410BMU	10.0	245L x 135W x 60H	

Technical Information

Mains input	90V – 264V ac at 50–60Hz
Output	27.6V dc
Maximum current	see table above
Operating temperature	-10°C to 40°C at 95% RH

Approvals

CE mark

