

12V G RANGE BM SERIES

(Monitored)
Back-up power for General applications

- 13.8V dc output
- Full current to load + 0.5A battery charging
- Mains and battery monitoring
- Deep discharge protection
- Volt-free fault outputs:
 - EPS fault (mains fail)
 - GEN fault (PSU or battery fault)
- Internal LED PSU status:
 - Mains status
 - Output fuse fail
 - Output short circuit or low voltage
 - Battery low or missing
- Mains transient protection
- Electronic overload protection
- Front and rear tamper protection
- Lifetime warranty



DESCRIPTION

The G Range BM Series switch mode power supplies are ideal for applications requiring mains and battery monitoring. The units have a regulated highly stable output supplying full rated current to load and a universal mains voltage input range (90 to 264V ac).

These units are suitable for access control, intruder systems and general purpose applications. They are also available in DIN rail mounted 'unboxed' versions if required. FOM 4 or 8 can be fitted to give independent fused outputs.

Advantages of Switch Mode Technology

Elmdene products using switch mode technology are typically 80-87% efficient.

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

TECHNICAL SPECIFICATIONS

| | |
|------------------------------|-------------------------|
| Output | 13.8V dc |
| Operational Voltage | 90V - 264V ac |
| Operating Temperature | -10°C to 40°C at 95% RH |



APPROVALS

UKCA | CE mark

ORDERING INFORMATION

| | | |
|---------------------------|---|---|
| <p>A ENCLOSURE</p> | <p>PART NO G13802BM-A</p> | <p>DESCRIPTION 13.8Vdc, 2A 200 H x 230 W x 80 D (mm) Max battery 1 x 7Ah</p> |
| <p>B ENCLOSURE</p> | <p>PART NO G13803BM-B</p> <p>PART NO G13804BM-B</p> <p>PART NO G13804BM-4-B</p> <p>PART NO G13805BM-B</p> | <p>DESCRIPTION 13.8Vdc, 3A 330 H x 355 W x 80 D (mm) Max battery 1 x 17Ah</p> <p>DESCRIPTION 13.8Vdc, 4A 330 H x 355 W x 80 D (mm) Max battery 1 x 17Ah</p> <p>DESCRIPTION 13.8Vdc, 4A 330 H x 355 W x 80 D (mm) Max battery 1 x 17Ah</p> <p>DESCRIPTION 13.8Vdc, 5A 330 H x 355 W x 80 D (mm) Max battery 1 x 17Ah</p> |
| <p>C ENCLOSURE</p> | <p>PART NO G13802BM-C</p> <p>PART NO G13804BM-C</p> <p>PART NO G13805BM-C</p> <p>PART NO G13810BM-8-C</p> | <p>DESCRIPTION 13.8Vdc, 2A 275 H x 330 W x 80 D (mm) Max battery 1 x 17Ah</p> <p>DESCRIPTION 13.8Vdc, 4A 275 H x 330 W x 80 D (mm) Max battery 1 x 17Ah</p> <p>DESCRIPTION 13.8Vdc, 5A 275 H x 330 W x 80 D (mm) Max battery 1 x 17Ah</p> <p>DESCRIPTION 13.8Vdc, 10A 275 H x 330 W x 80 D (mm) Max battery 2 x 7Ah</p> |

ORDERING INFORMATION

R ENCLOSURE



PART NO

G13810BM-8-R

DESCRIPTION

13.8Vdc, 10A
410 H x 390 W x 86 D (mm)
Max battery 2 x 17Ah

UNBOXED



DIN RAIL Mountable - (Battery leads included)

PART NO

G13802BMU

DESCRIPTION

13.8Vdc, 2A
152 L x 106 W x 52 H (mm)

PART NO

G13803BMU

DESCRIPTION

13.8Vdc, 3A
152 L x 106 W x 71 H (mm)

PART NO

G13805BMU

DESCRIPTION

13.8Vdc, 5A
152 L x 106 W x 71 H (mm)