



# PM812N-G3

## Power Supply Switch Mode 12VDC-1.4A EN Gr.3

### EN certified

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Suitable for use in systems designed to comply with EN50131-6:2008 Grade 3 and Environmental Class II requiring 18Ah standby battery capacity.

### Protection

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Comprehensive protection is built-in as standard including mains transient filtering, electronic output overload protection and fuses on the load and battery outputs.



### Details

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- Intelligent active battery monitoring
- Fault signals for loss of mains, battery fail and power supply fault
- Battery deep discharge protection
- Tamper switch
- Protection against reverse battery connection
- Electronic overload protection
- LED's for comprehensive diagnostics
- Powder coated steel housing
- EN50131-6:2008 grade 3 certified

# PM812N-G3

## Power Supply Switch Mode 12VDC-1.4A EN Gr.3

### Technical specifications

#### Electrical

Mains input	100 to 240 VAC
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#### Output

Power output voltage	13.8 VDC
Output ripple	<400 mV pk - pk max. @ rated voltage
Power output current mains	1.5 A

#### Battery

Max. Battery capacity	18 Ah 12 V
Power output current battery	12 hours 1.5 A with 18 Ah battery, 30 hours 0.6 A with 18 Ah battery
Battery recharge time	< 24 hours to 80%

#### General

Fuse(s)	Load: F1.6 A, Batt: F1.6 A
Deep discharge protection	Battery disconnect @ 10.5 V battery terminal voltage
Protection	Reverse battery connection protection

#### Physical

Physical dimensions	330 x 275 x 80 mm
Net weight	3.3 kg
Colour	White
Form factor	Steel cabinet

#### Environmental

Operating temperature	-10 to +40°C
Storage temperature	-20 to +80°C

#### Standards & Regulation

EN50131 Grade	Grade 3
Compliance	CE, REACH, RoHS 2, WEEE
Certification	EN50131 Grade 3

#### Rated voltage

100-240 VAC
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#### Output voltage

13.8 VDC nominal
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#### Output current

Mains	1.5 A
Battery for 12 hours	1.5 A with 18 Ah battery
Battery for 30 hours	0.6 A with 18 Ah battery

#### Output Ripple

<400 mV pk - pk max @ rated voltage
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#### Max. battery size

18 Ah 12V
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#### Battery recharge time

< 24 hours to 80%
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#### Deep discharge protection

Battery disconnect at 10.5 V battery terminal voltage
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#### Protection

Reverse battery connection protection
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#### Fuse

Load	F1.6 A
Battery	F1.6 A

#### Operating temperature

-10 to +40°C
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#### Storage temperature

-20 to +80°C
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#### Housing (steel) powder coated

1.2 mm
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#### Dimensions (W x H x D)

330 x 275 x 80 mm
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#### Weight without battery

3.3 kg
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#### Certifications

EN50131-6:2008 Grade 3 Type A
Environmental Class II

