



PM811N-G2

Power Supply Switch Mode 12 VDC-1 A EN Gr.2

Certified Gr.2

Suitable for use in systems designed to comply with EN50131-6:2008 Grade 2 and Environmental Class II requiring 8 Ah standby battery capacity.

Protection

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



Details

- Fault signals for loss of mains, power supply fault and battery low voltage warning
- Battery deep discharge protection
- Tamper switch
- Protection against reverse battery connection
- LED's for comprehensive diagnostics
- Thermal protection of power circuitry
- Powder coated steel housing
- EN50131-6:2008 Grade 2 Type A certified

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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 A

Battery

Max. Battery capacity	8 Ah 12 V
Power output current battery	12 hours 0.6 A with 8 Ah battery
Battery recharge time	< 72 hours to 80%

General

Fuse(s)	Load: F1.0 A, Batt: F1.0 A
Deep discharge protection	Battery disconnect @ 10.6 V battery terminal voltage
Protection	Reverse battery connection protection

Physical

Physical dimensions	230 x 200 x 80 mm
Net weight	2 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 2
Compliance	CE, REACH, RoHS 2, WEEE
Certification	EN50131 Grade 2

Rated voltage

100-240 VAC

Output voltage

13.8 VDC nominal

Output current

Mains	1A
Battery for 12 hours	0.6 A with 8 Ah battery

Output Ripple

<400 mV pk - pk max @ rated voltage

Max. battery size

8 Ah 12 V

Battery recharge time

< 72 hours to 80%

Deep discharge protection

Battery disconnect at 10.6 V battery terminal voltage

Protection

Reverse battery connection protection

Fuse

Load	F1.0 A
Battery	F1.0 A

Operating temperature

-10 to +40°C

Storage temperature

-20 to +80°C

Housing (steel) powder coated

1.2 mm

Dimensions (W x H x D)

230 x 200 x 80 mm

Weight without battery

2.0 kg

Certifications

EN50131-6:2008 Grade 2 Type A
Environmental Class II

