

# PM812N-G2

**Power supply switch mode, 12 VDC, 1.4 A, EN Grade 2**

## Certified Gr.2

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Suitable for use in systems designed to comply with EN50131-6:2008 Grade 2 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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- 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
- Thermal protection of power circuitry
- LED's for comprehensive diagnostics
- Powder coated steel housing
- EN50131-6:2008 Grade 2 Type A certified

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## Technical specifications

### General

|                           |  |
|---------------------------|--|
| Fuse(s)                   | Load: F1.6 A, Batt: F1.6 A                           |
| Deep discharge protection | Battery disconnect @ 10.6 V battery terminal voltage |
| Protection                | Reverse battery connection protection                |

### Electrical

|             |                |
|-------------|----------------|
| Mains input | 100 to 240 VAC |
|-------------|----------------|

### 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 |
| Battery recharge time        | <72 hours to 80%                  |

### Physical

|                               |                               |
|-------------------------------|-------------------------------|
| Physical dimensions           | 330 x 275 x 80 mm (W x H x D) |
| Net weight                    | 3.3 kg (without battery)      |
| Colour                        | White                         |
| Material                      | Steel                         |
| Form factor                   | Steel cabinet                 |
| Housing (steel) powder coated | 1.2 mm                        |

### Environmental

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

### Regulatory

|               |                               |
|---------------|-------------------------------|
| EN50131 Grade | Grade 2                       |
| Compliance    | CE, REACH, RoHS 2, WEEE       |
| Certification | EN50131 Grade 2               |
|               | EN50131-6:2008 Grade 2 Type A |
|               | Environmental Class II        |



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