

PM812N-G2

Power Supply Switch Mode 12VDC-1.4A 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 18Ah 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
- 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

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% |

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 |

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 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 | 1.5 A |
| Battery for 12 hours | 1.5 A with 18 Ah battery |

Output Ripple

| |
|------------------------------------|
| <400mV pk - pk max @ rated voltage |
|------------------------------------|

Max. battery size

| |
|-----------|
| 18 Ah 12V |
|-----------|

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 | F1.6 A |
| Battery | F1.6 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)

| |
|-------------------|
| 330 x 275 x 80 mm |
|-------------------|

Weight without battery

| |
|--------|
| 3.3 kg |
|--------|

Certifications

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

