

## PSI Series Pure Sine Wave Inverter

### FEATURES

- Switching mode design
- High efficiency
- Pure sine wave output voltage
- 12 VDC input and 230 VAC output
- Overload protection
- High output current surge
- Low battery alarm / shut down
- Low idle power draw of less than 0.9 Amps
- 2x Schuko output
- Remote control with 5m cable
- 2 Year warranty

### APPLICATIONS

- Service vehicles
- Recreation Vehicles
- Telecommunication
- Solar power systems
- Trucks
- Marine



## 1000 WATTS

### TECHNICAL SPECIFICATIONS

| Model  | PSI 1000-12  |
|--|--|
| <b>INPUT</b>                                 |  |
| DC input voltage range                       | 10.5 - 15.8 VDC ( $\pm 0.2$ VDC)                                     |
| DC input current at rated load               | 100 A  |
| DC input current at no load                  | <0.9A  |
| <b>OUTPUT</b>                                |  |
| AC output voltage                            | 225VAC ( $\pm 5$ VAC)  |
| AC output frequency                          | 50Hz ( $\pm 1\%$ )   |
| AC output waveform                           | Pure Sine Wave   |
| Continuous active output power               | 1000W  |
| Maximum active surge power (less than 1 sec) | 2000W  |
| Peak efficiency                              | >90%   |
| <b>PORTS</b>                                 |  |
| Remote control port (RJ-45 Jack, 8P8C)       | Yes  |
| <b>PROTECTIONS</b>                           |  |
| Low input voltage warning alarm              | 11.0 VDC $\pm 0.2$ VDC   |
| Low input voltage shutdown                   | 10.5 VDC $\pm 0.2$ VDC   |
| High input voltage shutdown                  | 15.8 VDC $\pm 0.2$ VDC   |
| Overload / short circuit shutdown            | Yes. Manual reset  |
| Over temperature shutdown                    | Yes. Auto reset  |
| Cooling                                      | Load and temperature controlled variable speed fan                   |
| Internal fuses                               | 4x 40A in parallel<br>(Automotive Blade Fuses, Type ATO/ATC, 32 VDC) |

- NOTES: 1. All power ratings are specified for resistive load at Power Factor = 1  
 2. All specifications given above are at ambient temperature of 25°C / 77°F  
 3. Specifications are subject to change without notice

## TECHNICAL SPECIFICATIONS

| <b>Model</b>                  | <b>PSI 1000-12</b>            |
|-------------------------------|-------------------------------|
| <b>CONNECTIONS</b>            |                               |
| Input                         | Nut and bolt (M8)             |
| Output                        | Dual Type-Schuko outlet       |
| <b>ACCESSORIES INCLUDED</b>   |                               |
| Remote control PSI-RC         | Yes                           |
| <b>COMPLIANCE</b>             |                               |
| Safety                        | EN62368-1                     |
| EMI / EMC                     | EN55032 / EN55035             |
| <b>ENVIROMENT</b>             |                               |
| Operating ambient temperature | -25°C to 40°C; -13°F to 104°F |
| Storage temperature           | -30°C to 70°C; -26°F to 158°F |
| <b>GENERAL</b>                |                               |
| Dimensions, mm (W X D X H)    | 222 x 284 x 89                |
| Weight, kg                    | 2.4                           |

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