



POWER CONVERSION PRODUCTS



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
INPUT	
DC input voltage range	10.5 - 15.8 VDC (± 0.2 VDC)
DC input current at rated load	100 A
DC input current at no load	<0.9A
OUTPUT	
AC output voltage	225VAC (± 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%
PORTS	
Remote control port (RJ-45 Jack, 8P8C)	Yes
PROTECTIONS	
Low input voltage warning alarm	11.0 VDC ± 0.2 VDC
Low input voltage shutdown	10.5 VDC ± 0.2 VDC
High input voltage shutdown	15.8 VDC ± 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 (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



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TECHNICAL SPECIFICATIONS

Model	PSI 1000-12
CONNECTIONS	
Input	Nut and bolt (M8)
Output	Dual Type-Schuko outlet
ACCESSORIES INCLUDED	
Remote control PSI-RC	Yes
COMPLIANCE	
Safety	EN62368-1
EMI / EMC	EN55032 / EN55035
ENVIROMENT	
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
GENERAL	
Dimensions, mm (W X D X H)	222 x 284 x 89
Weight, kg	2.4

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