



SAMLEX POWER PRODUCTS



PSE Series Modified Sine Wave Inverter



1250 Watts

FEATURES

- Switching mode design
- High efficiency
- Modified sine wave output voltage
- Overload protection
- High output current surge
- Low battery alarm / shut down
- 2 Year warranty

APPLICATIONS

- Service vehicles
- Recreation Vehicles, Camping, Boats
- Telecommunication
- Field work / Construction sites
- Solar power systems
- Emergency backup power

TECHNICAL SPECIFICATIONS

Model	PSE-12125A	PSE-24125A
Input Voltage	10-16.5 VDC	20-33 VDC
Output Voltage	120 V + 5% / -10%	120 V + 5% / -10%
Output Frequency	60Hz +/- 5%	60Hz +/- 5%
Continuous output power	1250 Watts*	1250 Watts*
Instantaneous overload (surge < 1 second)	2500 Watts	2500 Watts
No load current draw	320 mA	320 mA
Output Waveform	Modified Sine Wave	Modified Sine Wave
Peak efficiency	85 to 90%	85 to 90%
PROTECTIONS:		
High input voltage shut down & latch	16.5 V	33 V
Low input voltage warning alarm	10.5 V	21 V
Low input voltage shutdown & latch	10 V	20 V
Temperature controlled fan for cooling	Yes	Yes
Overtemp. shut-down and automatic recovery	Yes	Yes
Output instantaneous overload shut down & auto recovery	Yes	Yes
Output continuous overload shut-down & latch	Yes	Yes
INDICATIONS:		
Input voltage LED bar graph	Yes	Yes
Input current LED bar graph	Yes	Yes
LED overload	Yes	Yes
Red LED for over temperature	Yes	Yes
INPUT SIDE DC FUSES		
(Automotive Type ATC, 32V)	35 A x 5 pcs	20 A x 5 pcs
ENVIRONMENTAL CONDITIONS:		
Operating Temperature degree	0 to 40°C	0 to 40°C
Storage Temperature	-10 to 65°C	-10 to 65°C
Relative Humidity	Up to 85%	Up to 85%
OUTPUT CONNECTORS:		
Wires for connection to external distribution panel	No	No
Receptacle, NEMA5-15R	2	2
Dimensions (LxWxH)	238x342x86 mm	238x342x86 mm
Weight	4.1 kg	4.1 kg

* The power specified is for resistive type of loads (like incandescent lamps, heaters etc) which have a power factor = 1. Reactive type of loads (like electric motor driven loads, fluorescent lights, computers, audio / video equipment etc) may have a power factor of 0.8 to 0.6. The power that can be delivered to such type of loads will reduce by this factor.

Technical Specifications subject to change without notification.