



SAMLEX POWER PRODUCTS



PSE Series Modified Sine Wave Inverter



2750 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-12275A	PSE-24275A
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	2750 Watts*	2750 Watts*
Instantaneous overload (surge < 1 second)	4500 Watts	4500 Watts
No load current draw	600 mA	600 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)	30 A x 12 pcs	15 A x 12 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	Yes	Yes
Receptacle, NEMA5-15R	1	1
Dimensions (L x W x H)	216 x 495x 160 mm	216 x 495x 160 mm
Weight	10.1 Kg	10.1 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.

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