With more than 1000 models to choose from,
there is a Samlex solution for all of your power conversion requirements

SAMLEX POWER PRODUCTS

PSE Series Modified Sine Wave Inverter

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

1750 Watts

TECHNICAL SPECIFICATIONS

Model	PSE-12175A	PSE-24175A
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	1750 Watts*	1750 Watts*
Instantaneous overload (surge< 1 second)	3500 Watts	3500 Watts
No load current draw	370 mA	370 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 8 pcs	20 A x 8 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 (L x W x H)	238 x 462 x 86 mm	238 x 462 x 86 mm
Weight	5.7 Kg	5.7 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.