



samlexamerica

# 1750W



**DC-AC Inverter**  
**Modified Sine Wave**

Model  
PSE-12175A  
12 VDC - 120 VAC

### Design Features

- High efficiency switching mode design
- Illuminating LED bar graphics indicate input voltage and input current
- Temperature controlled cooling fan
- Low input voltage warning alarm
- Optional remote operation with Samlex Model RC-15 remote control (sold separately)
- Protections: high/low voltage, over temperature and over load shut down
- High output current surge

## 2 YEAR WARRANTY

MODEL NO.		PSE-12175A
	INPUT VOLTAGE	10.5-16.5 VDC
	OUTPUT VOLTAGE	120 V RMS + 5% / -10%
	OUTPUT FREQUENCY	60Hz +/- 5%
	CONTINUOUS OUTPUT POWER	1750 W*
	INSTANTANEOUS OVERLOAD (SURGE < 2 SEC)	3500 W
	NO LOAD CURRENT DRAW	370 mA
	OUTPUT WAVEFORM	Modified Sine Wave
	PEAK EFFICIENCY	85 to 90%
		*This is the active power for resistive type of loads which have power factor = 1. Reactive loads may have power factor of 0.8 to 0.6. The active power rating will reduce by this factor.
PROTECTIONS	HIGH INPUT VOLTAGE SHUT DOWN & LATCH	16.5 VDC
	LOW INPUT VOLTAGE WARNING ALARM	10.5 VDC
	LOW INPUT VOLTAGE SHUTDOWN & LATCH	10 VDC
	TEMPERATURE CONTROLLED FAN FOR COOLING	Yes
	OVER TEMPERATURE SHUT-DOWN & AUTO RECOVERY	Yes
	OUTPUT INSTANTANEOUS OVERLOAD SHUT DOWN & AUTO RECOVERY	Yes
	OUTPUT CONTINUOUS OVERLOAD SHUT-DOWN & LATCH	Yes
INDICATIONS	INPUT VOLTAGE LED BAR GRAPH	Yes
	INPUT CURRENT LED BAR GRAPH	Yes
	RED LED FOR OVERLOAD	Yes
	RED LED FOR OVER TEMPERATURE	Yes
INPUT SIDE DC FUSES	(AUTOMOTIVE TYPE ATC, 32V)	35 A x 8 pcs
ENVIRONMENTAL CONDITIONS	OPERATING TEMPERATURE	0 to 40°C
	STORAGE TEMPERATURE	-10 to 65°C
	RELATIVE HUMIDITY	Up to 85%
OUTPUT CONNECTORS	WIRES FOR CONNECTION TO EXTERNAL DISTRIBUTION PANEL RECEPTACLE, NEMA 5-15R	No 2
GENERAL	DIMENSIONS, MM (L x W x H)	238 x 462 x 86
	DIMENSIONS, INCHES (L x W x H)	9.4 x 18.2 x 3.4
	WEIGHT, KG	5.7
	WEIGHT, LB	12.5

NOTE: Specifications are subject to change without notice