



**samlexamerica**

# 1250W

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

Model  
**PSE-12125A**  
 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

**NEW LOOK FOR 2010!**  
**2 YEAR WARRANTY**

MODEL NO.		PSE-12125A
	INPUT VOLTAGE, VOLTS DC	10-16.5 V
	OUTPUT VOLTAGE, VOLTS RMS	120 V +5% / -10%
	OUTPUT FREQUENCY, HZ	60Hz +/- 5%
	CONTINUOUS OUTPUT POWER, WATTS	1250 W*
	INSTANTANEOUS OVERLOAD (SURGE < 2 SECONDS)	2500 W
	NO LOAD CURRENT DRAW	320 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. See page 7 for details.
PROTECTIONS	HIGH INPUT VOLTAGE SHUT DOWN & LATCH, VOLTS DC	16.5 V
	LOW INPUT VOLTAGE WARNING ALARM, VOLTS DC	10.5 V
	LOW INPUT VOLTAGE SHUTDOWN & LATCH, VOLTS DC	10 V
	TEMPERATURE CONTROLLED FAN FOR COOLING	Yes
	OVERTEMP. SHUT-DOWN AND AUTOMATIC 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 5 pcs
ENVIRONMENTAL CONDITIONS	OPERATING TEMPERATURE DEGREE C	0 to 40°C
	STORAGE TEMPERATURE DEGREE C	-10 to 65°C
	RELATIVE HUMIDITY	Up to 85%
OUTPUT CONNECTORS	WIRES FOR CONNECTION TO EXTERNAL DISTRIBUTION PANEL	No
	RECEPTACLE, NEMA 5-15R	2
DIMENSIONS WEIGHT		IN 9.4 x 13.5 x 3.4
		MM 238 x 342 x 86
		LB 9.0
		KG 4.1

NOTE: Specifications are subject to change without notice