



2750W
samlexamerica®



DC-AC Inverter
Modified Sine Wave

Model
PSE-12275A
12 VDC
120 VAC

Design Features

- High efficiency PWM design
- LED bar graphs indicate input voltage, input current and output power
- Temperature controlled cooling fan
- Low input voltage warning alarm
- Optional RC-15 remote control (sold separately)
- Protections: high/low DC input voltage, over temperature and over load shut down
- High output power surge
- Can be Hard Wired

2 YEAR LIMITED WARRANTY

		MODEL NO.	PSE-12275A
OUTPUT	OUTPUT VOLTAGE		120VAC +5% / - 10%
	OUTPUT FREQUENCY		60Hz ± 5%
	OUTPUT VOLTAGE WAVEFORM		Modified Sine Wave
	MAX. CONTINUOUS ACTIVE POWER OUTPUT (POWER FACTOR = 1)		2750W*
	MAX. ACTIVE SURGE POWER OUTPUT (< 2 SEC, POWER FACTOR =1)		4500W*
	PEAK EFFICIENCY		85% to 90%
INPUT	DC INPUT VOLTAGE		12V Battery System (> 10.5VDC to < 16.5VDC)
	MAXIMUM DC INPUT CURRENT		< 360A
	NO LOAD CURRENT DRAW		600mA
MONITORING & INDICATIONS	DC INPUT VOLTAGE, VOLTS		Colored, 10 Level LED Bar Graph
	DC INPUT CURRENT, AMPS & ASSOCIATED OUTPUT POWER, WATTS		Colored, 10 Level LED Bar Graph
	OVER TEMPERATURE		Red LED + Buzzer Alarm
	OVERLOAD		Red LED
	LOW DC INPUT VOLTAGE		Buzzer Alarm
PROTECTIONS	COOLING		Temperature Controlled Fan
	OVER LOAD / SHORT CIRCUIT		<ul style="list-style-type: none"> • Shutdown if output power > Continuous / Surge Ratings • Manual Reset: Switch OFF, wait for 3 min and Switch ON
	OVER TEMPERATURE		<ul style="list-style-type: none"> • Shut Down when temperature of internal hot spot > threshold • Automatic reset when unit cools down
	HIGH DC INPUT VOLTAGE		<ul style="list-style-type: none"> • Shut down when DC Input Voltage > 16.5VDC • Auto reset when voltage drops below 16.5VDC
	LOW DC INPUT VOLTAGE		<ul style="list-style-type: none"> • Shut down when DC Input Voltage < 10VDC • Auto reset when voltage rises to > 11.3VDC
	LOW DC INPUT VOLTAGE ALARM		<ul style="list-style-type: none"> • Buzzer alarm when DC Input Voltage < 10.5VDC • Auto reset when voltage rises > 10.5VDC
	INTERNAL DC SIDE FUSES		Automotive Type ATC, 32V - 360A (30A x 12 pcs.)
INPUT & OUTPUT CONNECTIONS	DC INPUT CONNECTIONS		5/16" bolt and nut, 18 TPI 3 x AWG #10 wires in covered pocket for hard wiring to panel / 2 Knock Outs (Hole diameter 22 mm / 0.87") for 3/8" fitting for cable entry / Plate with NEMA5-15R outlet and 15A Breaker for front panel outlet
	AC OUTPUT CONNECTIONS		
	REMOTE CONTROL CONNECTION		6P6C Modular Jack
	REMOTE CONTROL (OPTIONAL)		Wired Remote Control with 15 ft cable – Model RC-15
ENVIRONMENTAL CONDITIONS	OPERATING TEMPERATURE		0°C to 40°C / 32°F to 104°F
	STORAGE TEMPERATURE		-10°C to 65°C / 14°F to 149°F
	HUMIDITY		85% RH, Non Condensing
GENERAL	DIMENSIONS (W x D x H)		205 x 495 x 160 mm / 8.07 x 19.49 x 6.30 inches
	DIMENSIONS (W x D x H)		7.35 kg. / 16.2 lbs.

* This is the Active Power output for resistive type of load with Power Factor = 1. For reactive loads, the rating will be reduced by the Power Factor of particular type of load (0.8 to 0.6)

NOTE: Specifications are subject to change without notice

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