



samlexamerica[®]

1750W



DC-AC Inverter
Modified Sine Wave

Model
PSE-12175A
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 remote operation with Samlex Model RC-15 remote control (sold separately)
- Protections: high/low DC input voltage, over temperature and over load shut down
- High output power surge

2 YEAR WARRANTY

		MODEL NO.	PSE-12175A
OUTPUT		OUTPUT VOLTAGE	120VAC +5% / - 10%
		OUTPUT FREQUENCY	60Hz ± 5%
		OUTPUT VOLTAGE WAVEFORM	Modified Sine Wave
		MAX. CONTINUOUS ACTIVE POWER OUTPUT (POWER FACTOR = 1)	1750W*
		MAX. ACTIVE SURGE POWER OUTPUT (< 2 SEC, POWER FACTOR =1)	3500W*
INPUT		PEAK EFFICIENCY	85% to 90%
		DC INPUT VOLTAGE	12V Battery System (> 10.5VDC to < 16.5VDC)
		MAXIMUM DC INPUT CURRENT	< 280A
		NO LOAD CURRENT DRAW	370mA
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
PROTECTIONS		LOW DC INPUT VOLTAGE	Buzzer Alarm
		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
INPUT & OUTPUT CONNECTIONS		INTERNAL DC SIDE FUSES	Automotive Type ATC, 32V - 280A (35A x 8 pcs.)
		DC INPUT CONNECTIONS	Terminal with 11 mm diameter tubular hole and M8 set screw
		AC OUTPUT CONNECTIONS	2 x NEMA5-15R Outlets
		REMOTE CONTROL CONNECTION	6P6C Modular Jack
ENVIRONMENTAL CONDITIONS		REMOTE CONTROL (OPTIONAL)	Wired Remote Control with 15 ft cable – Model RC-15
		OPERATING TEMPERATURE	0°C to 40°C / 32°F to 104°F
		STORAGE TEMPERATURE	-10°C to 65°C / 14°F to 149°F
GENERAL		HUMIDITY	85% RH, Non Condensing
		DIMENSIONS (W x D x H), MM	240 x 455 x 85
		DIMENSIONS (W x D x H), INCHES	9.45 x 17.91 x 3.35
		WEIGHT, KG	4.26
	WEIGHT, LB	9.4	

NOTE: * 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