



**samlexamerica®**

# 1250W



## DC-AC Inverter Modified Sine Wave

Model  
PSE-24125A

24 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-24125A
OUTPUT	OUTPUT VOLTAGE	OUTPUT VOLTAGE	120VAC +5% / - 10%
	OUTPUT FREQUENCY	OUTPUT FREQUENCY	60Hz ± 5%
	OUTPUT VOLTAGE WAVEFORM	OUTPUT VOLTAGE WAVEFORM	Modified Sine Wave
	MAX. CONTINUOUS ACTIVE POWER OUTPUT (POWER FACTOR = 1)	MAX. CONTINUOUS ACTIVE POWER OUTPUT (POWER FACTOR = 1)	1250 W*
	MAX. ACTIVE SURGE POWER OUTPUT (< 2 SEC, POWER FACTOR =1)	MAX. ACTIVE SURGE POWER OUTPUT (< 2 SEC, POWER FACTOR =1)	2500W*
	PEAK EFFICIENCY	PEAK EFFICIENCY	85% to 90%
INPUT	DC INPUT VOLTAGE	DC INPUT VOLTAGE	24V Battery System (> 21VDC to < 33VDC)
	MAXIMUM DC INPUT CURRENT	MAXIMUM DC INPUT CURRENT	< 75A
	NO LOAD CURRENT DRAW	NO LOAD CURRENT DRAW	320mA
MONITORING & INDICATIONS	DC INPUT VOLTAGE, VOLTS	DC INPUT VOLTAGE, VOLTS	Colored, 10 Level LED Bar Graph
	DC INPUT CURRENT, AMPS & ASSOCIATED OUTPUT POWER, WATTS	DC INPUT CURRENT, AMPS & ASSOCIATED OUTPUT POWER, WATTS	Colored, 10 Level LED Bar Graph
	OVER TEMPERATURE	OVER TEMPERATURE	Red LED + Buzzer Alarm
	OVERLOAD	OVERLOAD	Red LED
	LOW DC INPUT VOLTAGE	LOW DC INPUT VOLTAGE	Buzzer Alarm
PROTECTIONS	COOLING	COOLING	Temperature Controlled Fan
	OVER LOAD / SHORT CIRCUIT	OVER LOAD / SHORT CIRCUIT	<ul style="list-style-type: none"> <li>• Shutdown if output power &gt; Continuous / Surge Ratings</li> <li>• Manual Reset: Switch OFF, wait for 3 min and Switch ON</li> </ul>
	OVER TEMPERATURE	OVER TEMPERATURE	<ul style="list-style-type: none"> <li>• Shut Down when temperature of internal hot spot &gt; threshold</li> <li>• Automatic reset when unit cools down</li> </ul>
	HIGH DC INPUT VOLTAGE	HIGH DC INPUT VOLTAGE	<ul style="list-style-type: none"> <li>• Shut down when DC Input Voltage &gt; 33VDC</li> <li>• Auto reset when voltage drops below 33VDC</li> </ul>
	LOW DC INPUT VOLTAGE	LOW DC INPUT VOLTAGE	<ul style="list-style-type: none"> <li>• Shut down when DC Input Voltage &lt; 20VDC</li> <li>• Auto reset when voltage rises to &gt; 21.3VDC</li> </ul>
	LOW DC INPUT VOLTAGE ALARM	LOW DC INPUT VOLTAGE ALARM	<ul style="list-style-type: none"> <li>• Buzzer alarm when DC Input Voltage &lt; 21VDC</li> <li>• Auto reset when voltage rises &gt; 21VDC</li> </ul>
INPUT & OUTPUT CONNECTIONS	INTERNAL DC SIDE FUSES	INTERNAL DC SIDE FUSES	Automotive Type ATC, 32V, 75A (15A x 5 pcs.)
	DC INPUT CONNECTIONS	DC INPUT CONNECTIONS	Terminal with 11 mm diameter tubular hole and M8 set screw
	AC OUTPUT CONNECTIONS	AC OUTPUT CONNECTIONS	2 x NEMA5-15R Outlets
	REMOTE CONTROL CONNECTION	REMOTE CONTROL CONNECTION	6P6C Modular Jack
	REMOTE CONTROL (OPTIONAL)	REMOTE CONTROL (OPTIONAL)	Wired Remote Control with 15 ft cable – Model RC-15
ENVIRONMENTAL CONDITIONS	OPERATING TEMPERATURE	OPERATING TEMPERATURE	0°C to 40°C / 32°F to 104°F
	STORAGE TEMPERATURE	STORAGE TEMPERATURE	-10°C to 65°C / 14°F to 149°F
	HUMIDITY	HUMIDITY	85% RH, Non Condensing
GENERAL	DIMENSIONS (W x D x H), MM	DIMENSIONS (W x D x H), MM	240 x 335 x 85
	DIMENSIONS (W x D x H), INCHES	DIMENSIONS (W x D x H), INCHES	9.45 x 13.19 x 3.35
	WEIGHT, KG	WEIGHT, KG	3.08
	WEIGHT, LB	WEIGHT, LB	6.8

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

12001-PSE-24125A-0414

Discover other generators on our website.