



1250W  
samlexamerica®



**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
<b>OUTPUT</b>		OUTPUT VOLTAGE	120VAC +5% / - 10%
		OUTPUT FREQUENCY	60Hz ± 5%
		OUTPUT VOLTAGE WAVEFORM	Modified Sine Wave
		MAX. CONTINUOUS ACTIVE POWER OUTPUT (POWER FACTOR = 1)	1250 W*
		MAX. ACTIVE SURGE POWER OUTPUT (< 2 SEC, POWER FACTOR =1)	2500W*
		PEAK EFFICIENCY	85% to 90%
<b>INPUT</b>		DC INPUT VOLTAGE	24V Battery System (> 21VDC to < 33VDC)
		MAXIMUM DC INPUT CURRENT	< 75A
		NO LOAD CURRENT DRAW	320mA
<b>MONITORING &amp; INDICATIONS</b>		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
<b>PROTECTIONS</b>		COOLING	Temperature Controlled Fan
		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	<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	<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	<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	<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>
<b>INPUT &amp; OUTPUT CONNECTIONS</b>		INTERNAL DC SIDE FUSES	Automotive Type ATC, 32V, 75A (15A x 5 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
		REMOTE CONTROL (OPTIONAL)	Wired Remote Control with 15 ft cable – Model RC-15
<b>ENVIRONMENTAL CONDITIONS</b>		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
<b>GENERAL</b>		DIMENSIONS (W x D x H), MM	240 x 335 x 85
		DIMENSIONS (W x D x H), INCHES	9.45 x 13.19 x 3.35
		WEIGHT, KG	3.08
		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

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