



**samlexamerica**

# 3000W

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

Model  
**SAM-3000-12**  
 12 VDC - 115 VAC

### Design Features

- Compact design
- Load controlled cooling fan
- Low battery input alarm
- Universal protection circuit: thermal, battery, overload, short circuit, earth fault
- Soft start technology
- Cool surface technology
- Power save mode
- Low interference technology



**2 YEAR WARRANTY**

**MODEL NO. SAM-3000-12**

<b>INPUT:</b>	<b>BATTERY SYSTEM VOLTAGE</b>	12 VDC
	<b>NOMINAL INPUT VOLTAGE</b>	12.5 VDC
	<b>INPUT VOLTAGE RANGE</b>	10.5 VDC to 16 VDC
	<b>INPUT CURRENT AT CONTINUOUS POWER</b>	269 A to 275 A
	<b>INPUT CURRENT AT NO LOAD</b>	0.85 A to 0.95A
<b>OUTPUT:</b>	<b>OUTPUT VOLTAGE WAVE FORM</b>	Modified Sine Wave
	<b>OUTPUT VOLTAGE</b>	115 VAC
	<b>OUTPUT VOLTAGE REGULATION</b>	+13% / - 0%
	<b>OUTPUT FREQUENCY</b>	60 Hz +/- 5%
	<b>OUTPUT POWER, CONTINUOUS (RESISTIVE LOAD)</b>	3000 W
	<b>OUTPUT POWER, SURGE (&lt; 1 SEC, RESISTIVE LOAD)</b>	6000 W
	<b>PEAK EFFICIENCY (AT 50% OF CONTINUOUS POWER)</b>	90%
	<b>USB CHARGING PORT</b>	Not available
<b>PROTECTIONS:</b>	<b>LOW INPUT VOLTAGE ALARM</b>	Yes (10.8 +/- 0.3 VDC)
	<b>LOW INPUT VOLTAGE SHUTDOWN</b>	10.5 +/- 0.5 VDC
	<b>HIGH INPUT VOLTAGE SHUTDOWN</b>	Yes. (> 15.5 VDC)
	<b>OVERLOAD SHUT DOWN</b>	Yes (Latches in shutdown condition. Manual reset by switching off and switching on)
	<b>OVER TEMPERATURE SHUTDOWN</b>	Yes (Auto reset)
	<b>COOLING FAN, LOAD CONTROLLED, ON AT</b>	90 to 110 W
	<b>LEAKAGE PROTECTION</b>	Yes (Shutdown)
	<b>INPUT FUSE, 32 V</b>	480 A (16 X 30 A)
<b>CONNECTIONS:</b>	<b>INPUT CONNECTION</b>	Nut and Bolt
	<b>OUTPUT CONNECTION - NO OF NEMA5-15R RECEPTACLES</b>	3
<b>REMOTE CONTROL PORT</b>		Yes
<b>GENERAL</b>	<b>OPERATING TEMPERATURE RANGE</b>	0 to 25 C at 100% loading; 26 C to 35 C at 80 % loading
	<b>OPERATING HUMIDITY</b>	< 80%
	<b>NEUTRAL TO CHASSIS BONDING</b>	No. Neutral is floating
	<b>DIMENSIONS, MM</b>	420 x 202 x 84
	<b>DIMENSIONS, IN</b>	16.53 x 7.95 x 3.3
	<b>WEIGHT, KG</b>	5.5
	<b>WEIGHT, LB</b>	11.8

NOTE: Specifications are subject to change without notice