



**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: Low voltage, over temperature, overload, short circuit, and ground fault
- Soft start technology
- Cool surface technology
- Low interference technology

**2 YEAR WARRANTY**



	MODEL NO.	SAM-3000-12
INPUT	BATTERY SYSTEM VOLTAGE	12 VDC
	NOMINAL INPUT VOLTAGE	12.5 VDC
	INPUT VOLTAGE RANGE	10.5 VDC to 15.0 (+/- 0.5) VDC
	INPUT CURRENT AT CONTINUOUS POWER	300A
	INPUT CURRENT AT NO LOAD	0.85A to 0.95A
OUTPUT	OUTPUT VOLTAGE WAVE FORM	Modified Sine Wave
	OUTPUT VOLTAGE	120 VAC, +/- 10%
	OUTPUT FREQUENCY	60 Hz ± 5%
	OUTPUT POWER, CONTINUOUS (RESISTIVE LOAD)	3000W
	OUTPUT POWER, SURGE (< 1 SEC, RESISTIVE LOAD)	6000W
	PEAK EFFICIENCY (AT 50% OF CONTINUOUS POWER)	90%
	USB CHARGING PORT	Not available
PROTECTIONS	LOW INPUT VOLTAGE ALARM	Yes (10.8 VDC ± 0.3 VDC)
	LOW INPUT VOLTAGE SHUTDOWN	10.5 VDC ± 0.5 VDC
	HIGH INPUT VOLTAGE SHUTDOWN	Yes. (> 15.5 VDC ± 0.2 VDC)
	OVERLOAD & GROUND FAULT SHUT DOWN	Yes (Latches in shutdown condition. Manual reset by switching OFF and switching ON the ON/OFF Switch)
	OVER TEMPERATURE SHUTDOWN	Auto-reset when cools down by 10°C to 15°C.
	COOLING FAN, LOAD CONTROLLED, ON AT	90 to 110W
	LEAKAGE PROTECTION	Yes (Shutdown)
	INPUT FUSE, 32 V	480A (16 x 30A)
CONNECTIONS	INPUT CONNECTION	Nut & Bolt, M9
	AC OUTPUT - No OF NEMA5-15R RECEPTACLES	3
	REMOTE CONTROL PORT	Yes
	OPERATING TEMPERATURE RANGE	-25°C to + 50°C (-13°F to 122°F); Output derated above 40°C (104°F)
GENERAL	OPERATING HUMIDITY	< 80%
	NEUTRAL TO CHASSIS BONDING	No. Neutral is floating
	DIMENSIONS, MM (W x D x H)	202 x 420 x 84
	DIMENSIONS, INCHES (W x D x H)	7.95 x 16.53 x 3.3
	WEIGHT, KG	5.5
	WEIGHT, LB	11.8

NOTE: Specifications are subject to change without notice

12002-SAM-3000-12-0924

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