



samlexamerica

1000W



DC-AC Inverter Modified Sine Wave

Model
SAM-1000-12
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-1000-12
INPUT	BATTERY SYSTEM VOLTAGE		12 VDC
	NOMINAL INPUT VOLTAGE		12.5 VDC
	INPUT VOLTAGE RANGE		10.5 VDC to 16 VDC
	INPUT CURRENT AT CONTINUOUS POWER		90.5 A to 93.5 A
	INPUT CURRENT AT NO LOAD		0.5 A to 0.6 A
OUTPUT	OUTPUT VOLTAGE WAVE FORM		Modified Sine Wave
	OUTPUT VOLTAGE		115 VAC
	OUTPUT VOLTAGE REGULATION		+ 10% / - 0%
	OUTPUT FREQUENCY		60 Hz +/- 5%
	OUTPUT POWER, CONTINUOUS (RESISTIVE LOAD)		1000 W
	OUTPUT POWER, SURGE (< 1 SEC, RESISTIVE LOAD)		2000 W
	PEAK EFFICIENCY (AT 50% OF CONTINUOUS POWER)		90%
	USB CHARGING PORT		Not available
PROTECTIONS	LOW INPUT VOLTAGE ALARM		Yes (10.8 +/- 0.3 VDC)
	LOW INPUT VOLTAGE SHUTDOWN		10.5 +/- 0.5 VDC
	HIGH INPUT VOLTAGE SHUTDOWN		Yes. (> 15.5 VDC)
	OVERLOAD SHUT DOWN		Yes (Latches in shutdown condition. Manual reset by switching off and switching on the On / Off Switch)
	OVER TEMPERATURE SHUTDOWN		Yes (Auto reset)
	COOLING FAN, LOAD CONTROLLED, ON AT		28 to 32 W
	LEAKAGE PROTECTION		Yes (Shutdown)
	INPUT FUSE, 32 V		120 A (4 X 30 A)
CONNECTIONS	INPUT CONNECTION		Nut and Bolt
	OUTPUT CONNECTION - NO OF NEMA5-15R RECEPTACLES		2
	REMOTE CONTROL PORT		Yes
GENERAL	OPERATING TEMPERATURE RANGE		0 to 25 C at 100% loading; 26 C to 35 C at 80% loading
	OPERATING HUMIDITY		< 80%
	NEUTRAL TO CHASSIS BONDING		No. Neutral is floating
	DIMENSIONS, MM (L x W x H)		250 x 180 x 59
	DIMENSIONS, INCHES (L x W x H)		9.84 x 7.1 x 2.32
	WEIGHT, KG		1.69
	WEIGHT, LB		3.72

NOTE: Specifications are subject to change without notice