



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 to 15.0 (+/- 0.5) 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%
PROTECTIONS		USB CHARGING PORT	Not available
		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)
CONNECTIONS		INPUT FUSE, 32 V	120 A (4 X 30 A)
		INPUT CONNECTION	Nut and Bolt
		OUTPUT CONNECTION - No OF NEMA5-15R RECEPTACLES	2
GENERAL		REMOTE CONTROL PORT	Yes
		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