



DC-AC Inverter
 **Modified Sine Wave**

Model
SAM-800-12
 12 VDC - 115 VAC

Design Features

- USB charging port +5 VDC, 2.1A
- 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
- Power save mode
- Low interference technology



2 YEAR WARRANTY

	MODEL NO.	SAM-800-12
INPUT	BATTERY SYSTEM VOLTAGE	12 VDC
	NOMINAL INPUT VOLTAGE	12.5 VDC
	INPUT VOLTAGE RANGE	> 10.8 VDC to < 15.4 VDC
	INPUT CURRENT AT CONTINUOUS POWER	80A
	INPUT CURRENT AT NO LOAD	0.25A to 0.35A
OUTPUT	OUTPUT VOLTAGE WAVE FORM	Modified Sine Wave
	OUTPUT VOLTAGE	115 VAC
	OUTPUT VOLTAGE REGULATION	+ 10% / - 2%
	OUTPUT FREQUENCY	60 Hz ± 5%
	OUTPUT POWER, CONTINUOUS (RESISTIVE LOAD)	800W
	OUTPUT POWER, SURGE (< 1 SEC, RESISTIVE LOAD)	1600W
	PEAK EFFICIENCY (AT 50% OF CONTINUOUS POWER)	90%
PROTECTIONS	USB CHARGING PORT	5 VDC, 2.1A
	LOW INPUT VOLTAGE ALARM	Yes (10.8 ± 0.3 VDC)
	LOW INPUT VOLTAGE SHUTDOWN	10.5 ± 0.3 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	35 to 45W
	LEAKAGE PROTECTION	Yes (Shutdown)
CONNECTIONS	INPUT FUSE, 32V	105A (3 X 35A)
	INPUT CONNECTION	Nut and Bolt
	OUTPUT CONNECTION - No OF NEMA5-15R RECEPTACLES	2
	REMOTE CONTROL PORT	No
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)	218 x 180 x 59
	DIMENSIONS, INCHES (L x W x H)	8.6 x 7 x 2.4
	WEIGHT, KG	1.32
	WEIGHT, LB	2.91