



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: 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-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
PROTECTIONS		PEAK EFFICIENCY (AT 50% OF CONTINUOUS POWER)	90%
		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
CONNECTIONS		LEAKAGE PROTECTION	Yes (Shutdown)
		INPUT FUSE, 32V	105A (3 X 35A)
		INPUT CONNECTION	Nut and Bolt
		OUTPUT CONNECTION - No OF NEMA5-15R RECEPTACLES	2
GENERAL		REMOTE CONTROL PORT	No
		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	