



samlexamerica®

450W



DC-AC Inverter Modified Sine Wave

Model
SAM-450-12
12 VDC- 115 VAC

Design Features

- USB charging port: 5 VDC, 2.1A
- Compact design with cigar lighter plug included
- 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-450-12
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	45A
	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 $\pm$ 5%
	OUTPUT POWER, CONTINUOUS (RESISTIVE LOAD)	450W
	OUTPUT POWER, SURGE (< 1 SEC, RESISTIVE LOAD)	900W
PROTECTIONS	PEAK EFFICIENCY (AT 50% OF CONTINUOUS POWER)	90%
	USB CHARGING PORT	5 VDC, 2.1A
	LOW INPUT VOLTAGE ALARM	Yes (10.8 $\pm$ 0.3 VDC)
	LOW INPUT VOLTAGE SHUTDOWN	10.5 $\pm$ 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	8 to 12W
	LEAKAGE PROTECTION	Yes (Shutdown)
CONNECTIONS	INPUT FUSE, 32V	70A (2 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)	151 x 154 x 56.5
	DIMENSIONS, INCHES (L x W x H)	6.0 x 6.1 x 2.2
	WEIGHT, KG	0.6
	WEIGHT, LB	1.3

NOTE: Specifications are subject to change without notice

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