



samlexamerica

450W



DC-AC Inverter
Modified Sine Wave

Model
SAM-450-12
12 VDC - 115 VAC

Design Features

- USB charging port: 5 VDC, 500 mA
- Compact design with cigar lighter plug included
- 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-450-12
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	41.3 A to 43.3 A
		INPUT CURRENT AT NO LOAD	0.25 A to 0.35 A
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)	450 W
	OUTPUT POWER, SURGE (< 1 SEC, RESISTIVE LOAD)	900 W	
	PEAK EFFICIENCY (AT 50% OF CONTINUOUS POWER)	90%	
PROTECTIONS		USB CHARGING PORT	5 VDC, 500mA
		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	8 to 12 W
CONNECTIONS		LEAKAGE PROTECTION	Yes (Shutdown)
		INPUT FUSE, 32 V	70 A (2 X 35 A)
		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