



1500W  
samlexamerica



**DC-AC Inverter**  
**Modified Sine Wave**

Model  
SAM-1500-12  
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-1500-12
INPUT	BATTERY SYSTEM VOLTAGE	12 VDC
	NOMINAL INPUT VOLTAGE	12.5 VDC
	INPUT VOLTAGE RANGE	10.5 VDC to 16 VDC
	INPUT CURRENT AT CONTINUOUS POWER	137 A to 141 A
	INPUT CURRENT AT NO LOAD	0.65 A to 0.75 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)	1500 W
	OUTPUT POWER, SURGE (< 1 SEC, RESISTIVE LOAD)	3000 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	90 to 110 W
	LEAKAGE PROTECTION	Yes (Shutdown)
CONNECTIONS	INPUT FUSE, 32 V	240 A (8 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)	283 x 202 x 84
	DIMENSIONS, INCHES (L x W x H)	11.14 x 7.95 x 3.3
	WEIGHT, KG	3.2
WEIGHT, LB	7.1	

NOTE: Specifications are subject to change without notice