



samlexamerica

# 1500W



**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 to 15.0 (+/- 0.5) 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
PROTECTIONS		PEAK EFFICIENCY (AT 50% OF CONTINUOUS POWER)	90%
		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
CONNECTIONS		LEAKAGE PROTECTION	Yes (Shutdown)
		INPUT FUSE, 32 V	240 A (8 X 30 A)
		INPUT CONNECTION	Nut and Bolt
GENERAL		OUTPUT CONNECTION - No OF NEMA5-15R RECEPTACLES	2
		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