



Samlex America

3000W



DC-AC Inverter
Modified Sine Wave

Model
SAM-3000-12
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



		MoDel No.	SAM-3000-12
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	269 A to 275 A
		INPUT CURRENT AT NO LOAD	0.85 A to 0.95A
OUTPUT		OUTPUT VOLTAGE WAVE FORM	Modified Sine Wave
		OUTPUT VOLTAGE	115 VAC
		OUTPUT VOLTAGE REGULATION	+13% / - 0%
		OUTPUT FREQUENCY	60 Hz +/- 5%
		OUTPUT POWER, CONTINUOUS (RESISTIVE LOAD)	3000 W
		OUTPUT POWER, SURGE (< 1 Sec, RESISTIVE LOAD)	6000 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)
CONNECTIONS		COOLING FAN, LOAD CONTROLLED, ON AT	90 to 110 W
		LEAKAGE PROTECTION	Yes (Shutdown)
		INPUT FUSE, 32 V	480 A (16 X 30 A)
		INPUT CONNECTION	Nut and Bolt
GENERAL		OUTPUT CONNECTION - No of NEMA5-15r RECEPTACLES	3
		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)	420 x 202 x 84	
	DIMENSIONS, INCHES (L x W x H)	16.53 x 7.95 x 3.3	
	WEIGHT, kg	5.5	
	WEIGHT, LB	11.8	

NoTe: Specifications are subject to change without notice