



samlexamerica

2000W



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

Model
SAM-2000-12
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-2000-12 |
|-------------|---|---|
| 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 | 179 A to 183 A |
| | INPUT CURRENT AT NO LOAD | 0.75 A to 0.85 A |
| OUTPUT | OUTPUT VOLTAGE WAVE FORM | Modified Sine Wave |
| | OUTPUT VOLTAGE | 115 VAC |
| | OUTPUT VOLTAGE REGULATION | +11% / - 0% |
| | OUTPUT FREQUENCY | 60 Hz +/- 5% |
| | OUTPUT POWER, CONTINUOUS (RESISTIVE LOAD) | 2000 W |
| | OUTPUT POWER, SURGE (< 1 SEC, RESISTIVE LOAD) | 4000 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 | 350 A (10 X 35 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 |
| GENERAL | DIMENSIONS, MM (L x W x H) | 345 x 202 x 84 |
| | DIMENSIONS, INCHES (L x W x H) | 13.58 x 7.95 x 3.3 |
| | WEIGHT, KG | 3.9 |
| | WEIGHT, LB | 8.5 |

NOTE: Specifications are subject to change without notice