



samlexamerica®

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
- Low interference technology

2 YEAR WARRANTY



| | MODEL NO. | SAM-3000-12 |
|-------------|---|---|
| INPUT | BATTERY SYSTEM VOLTAGE | 12 VDC |
| | NOMINAL INPUT VOLTAGE | 12.5 VDC |
| | INPUT VOLTAGE RANGE | 10.5 VDC to 15.0 (+/- 0.5) VDC |
| | INPUT CURRENT AT CONTINUOUS POWER | 300A |
| | INPUT CURRENT AT NO LOAD | 0.85A 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) | 3000W |
| | OUTPUT POWER, SURGE (< 1 SEC, RESISTIVE LOAD) | 6000W |
| | PEAK EFFICIENCY (AT 50% OF CONTINUOUS POWER) | 90% |
| PROTECTIONS | USB CHARGING PORT | Not available |
| | LOW INPUT VOLTAGE ALARM | Yes (10.8 VDC ± 0.3 VDC) |
| | LOW INPUT VOLTAGE SHUTDOWN | 10.5 VDC ± 0.5 VDC |
| | HIGH INPUT VOLTAGE SHUTDOWN | Yes. (> 15.5 VDC ± 0.2 VDC) |
| | OVERLOAD & GROUND FAULT SHUT DOWN | Yes (Latches in shutdown condition. Manual reset by switching OFF and switching ON the ON/OFF Switch) |
| | OVER TEMPERATURE SHUTDOWN | Internal Hot Spot 88°C to 115°C. Auto-reset when cools down by 10°C to 15°C. |
| | COOLING FAN, LOAD CONTROLLED, ON AT | 90 to 110W |
| CONNECTIONS | LEAKAGE PROTECTION | Yes (Shutdown) |
| | INPUT FUSE, 32 V | 480A (16 x 30A) |
| | INPUT CONNECTION | Nut & Bolt, M9 |
| | AC OUTPUT - No OF NEMA5-15R RECEPTACLES | 3 |
| GENERAL | REMOTE CONTROL PORT | Yes |
| | OPERATING TEMPERATURE RANGE | 0°C to 25°C / 32°F to 77°F at 100% loading; 26°C to 35°C / 78.8°F to 95°F at 80% loading |
| | OPERATING HUMIDITY | < 80% |
| | NEUTRAL TO CHASSIS BONDING | No. Neutral is floating |
| | DIMENSIONS, MM (W x D x H) | 202 x 420 x 84 |
| | DIMENSIONS, INCHES (W x D x H) | 7.95 x 16.53 x 3.3 |
| | WEIGHT, KG | 5.5 |
| | WEIGHT, LB | 11.8 |