



800W
samlexamerica



DC-AC Inverter
Modified Sine Wave

Model
SAM-800-12
12 VDC - 115 VAC

Design Features

- USB charging port +5 VDC, 500 mA
- 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-800-12 |
|-------------|---|-----------|---|
| 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 | | 72 A to 75 A |
| | INPUT CURRENT AT NO LOAD | | 0.25 A to 0.35 A |
| OUTPUT | OUTPUT VOLTAGE WAVE FORM | | Modified Sine Wave |
| | OUTPUT VOLTAGE | | 115 VAC |
| | OUTPUT VOLTAGE REGULATION | | + 10% / - 2% |
| | OUTPUT FREQUENCY | | 60 Hz +/- 5% |
| | OUTPUT POWER, CONTINUOUS (RESISTIVE LOAD) | | 800 W |
| | OUTPUT POWER, SURGE (< 1 SEC, RESISTIVE LOAD) | | 1600 W |
| | PEAK EFFICIENCY (AT 50% OF CONTINUOUS POWER) | | 90% |
| PROTECTIONS | USB CHARGING PORT | | 5 VDC, 500mA |
| | LOW INPUT VOLTAGE ALARM | | Yes (10.8 +/- 0.3 VDC) |
| | LOW INPUT VOLTAGE SHUTDOWN | | 10.5 +/- 0.3 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 | | 35 to 45 W |
| | LEAKAGE PROTECTION | | Yes (Shutdown) |
| CONNECTIONS | INPUT FUSE, 32 V | | 105 A (3 X 35 A) |
| | INPUT CONNECTION | | Nut and Bolt |
| | OUTPUT CONNECTION - No OF NEMA5-15R RECEPTACLES | | 2 |
| | REMOTE CONTROL PORT | | No |
| GENERAL | 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) | | 218 x 180 x 59 |
| | DIMENSIONS, INCHES (L x W x H) | | 8.6 x 7 x 2.4 |
| | WEIGHT, KG | | 1.32 |
| | WEIGHT, LB | | 2.91 |

NOTE: Specifications are subject to change without notice