

Features:

- The unit is equipped with a self diagnosis microprocessor that is able to identify and show all failure messages on the LED/LCD display, with associated visual/audio alarms
- Can use parallel with the grid AC
- Battery charger current 100A max. @12VDC
- Equalization function for the batteries.
- Built in 50A rated bypass switch.
- Power sharing functions.
- Intelligent software for power management
- Hard-wire connection model option.
- Loading and temperature controlled cooling fan
- Local and remote management and control
- RS-232 communication
- By a dry contact terminal
- Advanced protection features :
 - DC input over/under voltage protection
 - Internal over temperature, battery over temperature and heat sink over temperature
 - Inverter AC output overload protection
 - Inverter AC output short circuit protection
 - AC input short circuit protection: Breaker (50Amp)
 - AC input under / over voltage protection



| Electical | | Specification Item | SL-2000-112 |
|--------------------------|----------------------------|--|--|
| Inverter Mode | Input | Nominal Voltage | 12 VDC |
| | | Absolute Max. DC Input | 25 VDC |
| | | HBCO/HBCI (High Battery Cut Out/In) | 17 VDC±0.3V |
| | | LBCO/LBCI (Low Battery Cut Out/In) | 9 VDC±0.3V |
| | | Input Voltage Range | 9 ~ 17 VDC±0.3V |
| | | Input Over-Voltage Protection | 16.5 ~ 17 VDC |
| | | Input Under-Voltage Protection | 9 ~ 10.5 VDC |
| | | Max. DC input current | 267ADC |
| | | AC Relay Transfer Time | <16 msec |
| | | No Load Power Consumption | 25W |
| | Stand-By Power Consumption | <5W | |
| | Output | Continuous Output Power | 2000 VA |
| | | Surge Power (real watts) | 5 sec : 3400 |
| | | | 30 sec : 3200 |
| | | | 5 min : 2900 |
| | | | 30 min : 2300 |
| | | Frequency | 60 Hz ± 0.1 |
| | | Output Voltage | 120 VAC ±5% (Continuous Power) |
| Max. Efficiency | | >90% | |
| Short-Circuit Protection | Yes | | |
| Output Waveform | Pure Sine Wave (THD < 5%) | | |
| Charger Mode | Charger | Battery Temperature Protection | By a RJ-11 connector to battery temperature sensor |
| | | AC Input Voltage Range | 80 ~ 140 VAC±5% (120VAC nominal) |
| | | AC Input Frequency Range | 50 ~ 70 Hz |
| | | AC Input Current Range | 5 ~ 50A* |
| | | AC Nominal Current | 15A |
| | | Charger Efficiency (Peak) | 85% |
| | | Power Factor Correction(PFC) | >0.97 (50% Load) |
| | | Charging Current Range | 0 ~ 100A |
| | | Battery Temperature Compensation | 25 mV per °C |
| | Four-stage charging | Bulk, Absorb, Float, Equalize* | |
| | Equalization | Max. Output Voltage | 16VDC |
| | | Max. Output Current | 10A |
| | Bypass Switch | Switch Specification (Max. each input) | AC 50 Amp |
| Note | | | *Setting by remote control |

| Electical | Specification Item | SL-2000-112 |
|------------------------------|--|---|
| Operating Temperature Range | Full Load | -20 ~ 40°C |
| | Power De-rating | 60W / °C, -41 ~ 60°C (Tentative) |
| | Storage | -30 ~ 70°C |
| | Over-temperature Protection | Sensor On Transformer, MOSFETs, Battery, and Internal ambient |
| Operating Humidity Range | 0 ~ 95% Non-condensing | |
| Ground Relay | Default is open, Use may connect neutral to ground at inverter mode if necessary, as ground relay is included in SL series | |
| Mechanical Spectionification | Dimension (WxHxD) | 321x203x349 mm / 12.638x7.992x13.74 inch |
| | Net Weight | 17.6 kg / 38.71Lbs |
| Safety & EMS | Safety Standards | Certified UL458 & Supplement SA |
| | EMC Standards | Certified FCC Class B |

Mechanical Drawings:

Unit mm [inch]

