

Overview

This is a pure sine wave stand-alone inverter/charger system combining the function of inverter and AC charger, and provides a long run-time uninterruptible power supply. Its comprehensive Single Line LCD display provides system status, and user-friendly operation.

Key Feature

1. High-frequency switching technology for compact size and light weight
2. Pure sine wave output for wide range of applications and harsh environment
3. Lithium Ferro Phosphate battery for long life without any maintenance
4. High efficient DC-to-AC conversion minimizing energy loss
5. Intelligent cooling fan control
6. Input/output isolated design for the maximum operation safety
7. LCD displays comprehensive operation status
8. Supports Home Appliances / Office Equipment/ Lighting Equipment/ Motor-based Equipment (such as Fan, Mixer grinder)
9. Thorough protections: Input low voltage / Overload / Short circuit / Low battery alarm / Input over voltage / Over temperature

SPECIFICATIONS

Table 1 Line Mode Specifications

| MODEL | LI 2300 SW DIGITAL UPS |
|---------------------------------|--|
| INPUT | |
| Input Voltage Waveform | Sine Wave - As per the Grid |
| Nominal Input Voltage | 220AC |
| Low Voltage Cut Off | 170Vac±7V(UPS Mode) 140Vac±7V (Inverter mode) |
| Low Voltage Return Voltage | 175Vac±7V(UPS) 135Vac±7V (Appliances) |
| High Voltage Cut off | 280Vac±7V |
| High Voltage Return Voltage | 270Vac±7V |
| Max AC Input Voltage | 290Vac |
| Nominal Input Frequency | 50Hz |
| OUTPUT | |
| Output Short Circuit Protection | Fuse |
| Efficiency (Line Mode) | >98% (Rated R load, battery full charged) |
| Transfer Time | 10ms typical(UPS) 20ms typical(Appliances) |

Table 2 Inverter Mode Specifications

| | |
|------------------------------------|------------------------|
| MODEL | LI 2300 SW DIGITAL UPS |
| Rated Output Power | 1800W |
| OUTPUT | |
| Output Voltage Waveform | Pure Sine Wave (DSP) |
| Output Voltage Regulation | 220Vac±1 % |
| Output Frequency | 50Hz |
| Peak Efficiency | 80% |
| Overload Protection | YES |
| Capable of starting electric motor | 1 HP |
| Nominal DC Input Voltage | 24 Vdc |
| INPUT | |
| Cold Start Voltage | 24Vdc |
| Low DC Warning Voltage | 23.0 V |
| Low DC Cut-off Voltage | 21.6 V |
| High DC Cut-off Voltage | 28.0 V |

Table 3 Charge Mode Specifications

| | |
|------------------------------|----------------------------|
| Utility Charging Mode | |
| MODEL | LI 2300 SW DIGITAL UPS |
| Charging Algorithm | 3-Step |
| AC Charging Current (Max) | 13-15Amp (@Vi/p=220Vac) |
| Bulk Charging Voltage | 28V |

Table 4 General Specifications

| | |
|------------------------------|---------------------------------|
| MODEL | LI 2300 SW DIGITAL UPS |
| Maintenance | Zero -Maintenance |
| Warranty - Battery/ UPS | 3years/2years |
| Transformer Disconnection | YES after Battery Fully Charged |
| Battery Life | 2000 Cycles |
| Battery Specification | C1-100AH*2 |
| Battery Dimension(L*W*H)/ mm | 350*225*275 |
| UPS Dimension (L*W*H)/ mm | 350*225*320 |
| Net Weight ,kg Battery/UPS | 20kgs/17kgs |

