

SPECIFICATION SHEET



Line Interactive Single-Phase UPS

Line interactive UPSs protect hardware and provide visibility and control of power usage and available capacity.

OVERVIEW

Protect critical hardware in IT closets, data networks, retail, and financial branches through automatic voltage regulation (AVR) to correct voltage irregularities without switching to battery. Multiply the reach and ability of IT staff and caretakers through a single portal, providing visibility and control of power usage and available capacity, simplifying maintenance responsibilities for taxed IT departments.

FEATURES

- **Ultra Low Transfer Time:** Quick transfer of power from AC to battery
- **Automatic Voltage Regulation (AVR):** Corrects voltage irregularities without switching to battery
- **Pure Sinewave Output:** Provides the ideal waveform for the most sensitive equipment
- **Input Power Factor 0.9:** Optimized and ideal efficiency at full load
- **Programmable outlet bank:** Power management outlets enable programmable control of load segments to extend battery time to mission critical equipment
- **Optional Remote Management Control:** Provides visibility and control of power usage and availability both on-site or at a remote unmanned facility
- **4-post rack mounting kit:** Included for simplified mounting
- **Tower Mounting Option:** Includes feet for non-rack applications, enabling the UPS to stand up by providing stability

ITEM DESCRIPTION

LU-1100-RTL UPS, Line Interactive, LCD, 1100VA, 120V, 2U, (8) 5-15R, 5-15P Cord

LISTING AGENCIES/THIRD PARTY CERTIFICATIONS

- **RoHS:** Yes
- **cTUVus:** Yes
- **FCC:** Yes

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SPECIFICATIONS

INPUT

- Voltage Range: 81-145V
- Frequency Range: 60 / 50 Hz (auto sensing)
- PHASE: Single phase with ground
- Inlet Plug: NEMA 5-15P

OUTPUT

- Power Capacity: 1100VA / 990W
- Output Receptacles: (8) NEMA 5-15R
- Output Voltage: 100 / 110 / 115 / 120 / 127 VAC
- Frequency Range (Battery Mode): 50 Hz \pm 0.1 Hz or 60Hz \pm 0.1 Hz
- Current Crest Ratio: 3:1
- Harmonic Distortion: 2% max. @ 100% linear load, 5% max. @ 100% non-linear load (before low battery alarm)
- Transfer Time: Typical 2-6 ms, 10 ms max.
- Waveform (Battery Mode): Pure Sinewave

BATTERY

- Battery Type: 12V / 9Ah x 2
- Charging Voltage: 27.4 VDC \pm 1%
- Runtime Under Load (minutes): Half 10.2, Full 3.0
- Recharge Time: 4 hours recover to 90% capacity
- Charging Current: 1.5A

PROTECTION

- Full Protection: Overload, discharge, and overcharge protection

EFFICIENCY

- AC Mode: 95% @ full charged battery
- Buck & Boost Mode: 93% @ full charged battery
- Battery Mode: 88% @ full charged battery

INDICATORS

- AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault and Low Battery

ALARM

- Battery Mode: Sounding every 10 seconds
- Low Battery: Sounding every 2 seconds
- Overload: Sounding every second
- Battery Replacement Alarm: Sounding every 2 seconds
- Fault: Continuously sounding

PHYSICAL

- Form Factor: 2U Rack/Tower
- LCD Display: UPS Status, Load Level, Battery Level, Input/Output Voltage, Discharge Timer and Fault Conditions
- Dimension, DxWxH (inches): 16.1 x 17.2 x 3.4 (2U)
- Dimension, DxWxH (mm): 410 x 438 x 88 (2U)
- Net Weight (lbs): 29.5
- Net Weight (kgs): 13.4

ENVIRONMENT

- Storage temperature: -13°F to 104°F (-25°C to 40°C)
Recharge Frequency: Every 3 months for 1-2 hours
- Storage temperature: 104°F to 113°F (40°C to 45°C)
Recharge Frequency: Every 2 months for 1-2 hours
- Operation Humidity: 0-90% RH @ 32 – 104°F or 0 – 40°C (non-condensing)
- Acoustic Noise Level: Less than 45dBA @ 1 Meter

REMOTE MANAGEMENT

- Smart RS-232 or USB: Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux, Unix and MAC
- Optional SNMP: Part No. LU-IPCARD Power management from SNMP manager and web browser

CONFORMANCE

- Regulatory Approvals: Tested to UL 1778, cTUVus Listed, CSA C22.2 No. 107.3-14, Part 15 Class A of the FCC rules, RoHS compliant
- Warranty: Standard 2 years manufacturer warranty



Legrand, North and Central America

60 Woodlawn Street
West Hartford, CT 06110
1.877.BY.LEGRAND (295.3472)
www.legrand.us