

# 1000VA 600W 120V Line-Interactive Cloud-Connected UPS with Remote Monitoring - 10 NEMA 5-15R Outlets (5 Surge + 5 Surge and Battery Backup), LCD, 5-15P Plug, Tower

MODEL NUMBER: SMART1000LCDTNC



The Line Interactive UPS, featuring a sleek tower design, offers reliable protection for your devices against brownouts, surges, and power interruptions. Its user-friendly LCD interface, coupled with advanced cloud monitoring capabilities, ensures convenient monitoring of your power supply, both on-site and remotely.

## Features

### 1kVA/600W/120V Battery Backup for Network and Retail Point-of-Sale Applications

The SMART1000LCDTNC Line-Interactive cloud-connected UPS system regulates incoming voltage and provides reliable battery backup and AC power protection against blackouts, brownouts, overvoltages, surges, and Line noise. Its compact tower form factor is suitable for desktop, floor placement, under workstations and other locations where a taller "Rack/Tower" unit may not fit. It's recommended for Home/office, Point-of-sale workstations, digital signage equipment, and gaming equipment.

### Easy-to-Use Cloud-Enabled Remote Monitoring Powered by Brightlayer

Eaton's cloud-based remote monitoring app offers convenient setup, control and management of a single UPS or a larger deployment. Scan the QR code on the UPS to download the app to your mobile device. Receive alerts, push configurations, silence alarms or control load banks using a mobile app or web browser. Being able to monitor and access multiple UPS systems from a remote location helps reduce the number of site visits, saving you time and money. The unit's NFC (Near-Field Communication) feature lets you configure network settings instantly from your mobile device.

### Allows Time to Back Up Critical Files During a Blackout

During short blackouts, the SMART1000LCDTNC switches to battery power to keep connected equipment running. This allows you enough time to save data and complete a safe shutdown in case of a longer outage. Once AC power is restored, the SMART1000LCDTNC restarts automatically, regardless of battery charge level, saving you a costly site visit.

### NEMA 5-15R Outlets and Controllable Load Banks Protect Connected Components

Five 5-15R outlets provide battery backup and surge protection for your computer, monitor, security camera and other crucial equipment. The other five 5-15R outlets provide surge suppression only for desk lamps, speakers and other equipment regarded as non-essential during a blackout. Eaton's remote monitoring application enables individual control of two switchable load banks, allowing them to be powered on, off, or cycled remotely. This remote functionality facilitates the rebooting of equipment that is not responding, thereby eliminating the need for expensive and time-consuming on-site visit.

## Highlights

- Cloud-based dashboard allows 24/7 remote monitoring via browser or mobile app
- Cloud-connected UPS sets up in minutes to start protecting your devices
- Create account with two-factor authentication for an additional layer of security
- NFC technology allows easy configuration of network settings from your mobile device
- Switchable load banks let you shut down or reboot devices using the mobile app
- Auto-restart with input power, regardless of the battery's low charge or if its completely absent

## Package Includes

- SMART1000LCDTNC 1000VA 600W 120V Cloud-Connected Line-Interactive UPS
- Quick Start Guide



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#### Automatic Voltage Regulation (AVR) Corrects Low- and High-Voltage Conditions

AVR protects your equipment from incremental hardware damage, data loss and performance problems caused by brownouts and overvoltages. The SMART1000LCDTNC can correct brownouts as low as 92V and overvoltages as high as 150V back to nominal 120V power continuously, all while keeping the battery fully charged and ready to take over in case of power failure.

#### Easy Preventative Maintenance and Initial Troubleshooting

The SMART1000LCDTNC's self-test capability and user-replaceable internal battery can extend the life of the UPS and minimize disruption to operations. A resettable circuit breaker on the rear of the UPS helps prevent dangerous system overloads.

#### Intuitive LCD, Home-Friendly Alarm and Diagnostic LEDs Keep You Informed 24/7

The easy-to-read LCD and two diagnostic LEDs provide vital status information, including voltage, battery level, load level and power usage. The audible alarm indicates low-battery and fault conditions. It can be disabled via the LCD or the remote monitoring app, which will still respond to silenced alarms via the app.

#### Communications Ports

The UPS features an RJ45 port for Ethernet connectivity, enabling the use of a cloud-based remote monitoring application. Additionally, a USB-C port is provided for direct connection to the UPS's Command Line Interface (CLI), facilitating the configuration and identification of local network parameters.

## Specifications

| OVERVIEW                           |                  |
|------------------------------------|------------------|
| UPC Code                           | 037332281333     |
| UPS Type                           | Line-Interactive |
| INPUT                              |                  |
| Input Phase                        | Single-Phase     |
| Rated input current (Maximum Load) | 10A              |
| Nominal Input Voltage(s) Supported | 120V AC          |
| UPS Input Connection Type          | 5-15P            |
| Input Circuit Breakers             | 10A              |
| UPS Input Cord Length (ft.)        | 5                |
| UPS Input Cord Length (m)          | 1.5              |
| Recommended Electrical Service     | 15A 120V         |
| Maximum Input Amps                 | 10               |
| Input Frequency                    | 50/60Hz          |
| Input Plug Type                    | NEMA 5-15P       |
| Input Cord Length (ft.)            | 5                |
| Input Cord Length (m)              | 1.52             |
| OUTPUT                             |                  |
| Output Capacity (VA)               | 1000             |
| Output Capacity (kVA)              | 1                |



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|                                                 |                                                                                                                                                                                                                                |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Output Capacity (Watts)                         | 600                                                                                                                                                                                                                            |
| Output Capacity (kW)                            | 0.6                                                                                                                                                                                                                            |
| Power Factor                                    | 0.6                                                                                                                                                                                                                            |
| Nominal Voltage Details                         | 120v nominal output in battery mode                                                                                                                                                                                            |
| Frequency Compatibility                         | 50 / 60 Hz                                                                                                                                                                                                                     |
| Frequency Compatibility Details                 | Automatic frequency selection                                                                                                                                                                                                  |
| Output Voltage Regulation (Line Mode)           | 120V (+9% / -12%)                                                                                                                                                                                                              |
| Output Voltage Regulation (Battery Mode)        | 120V ( $\pm 10\%$ )                                                                                                                                                                                                            |
| UPS Output Receptacles (Surge Suppression Only) | 5 UPS outlets, 5 surge-only outlets                                                                                                                                                                                            |
| Output AC Waveform (AC Mode)                    | Sine wave                                                                                                                                                                                                                      |
| Output (Watts)                                  | 600                                                                                                                                                                                                                            |
| Output AC Waveform (Battery Mode)               | PWM sine wave                                                                                                                                                                                                                  |
| Nominal Output Voltage(s) Supported             | 120V                                                                                                                                                                                                                           |
| Output Receptacles                              | (10) 5-15R                                                                                                                                                                                                                     |
| Overload Protection                             | 110% $\pm 10\%$ , GOES TO FAULT AFTER 5MIN (Line Mode), 120% $\pm 10\%$ , GOES TO FAULT IMMEDIATELY (Line Mode); 110% $\pm 10\%$ , SHUTS DOWN IN 5 SEC (Battery Mode), 120% $\pm 10\%$ , SHUTS DOWN IMMEDIATELY (Battery Mode) |
| Customized Load Management Receptacles          | 2 Load Banks: Load bank 1: 2 outlets, Load bank 2: 2 outlets                                                                                                                                                                   |
| Individually Controllable Load Banks            | Yes                                                                                                                                                                                                                            |
| <b>BATTERY</b>                                  |                                                                                                                                                                                                                                |
| Battery Type                                    | Valve Regulated Lead Acid (VRLA)                                                                                                                                                                                               |
| Runtime Full Load (min.)                        | 4 min. (600W)                                                                                                                                                                                                                  |
| Runtime Half Load (min.)                        | 14.3 min. (300W)                                                                                                                                                                                                               |
| Expandable Runtime                              | No                                                                                                                                                                                                                             |
| DC System Voltage (VDC)                         | 24                                                                                                                                                                                                                             |
| Battery Recharge Rate (Included Batteries)      | Less than 8 hours from 10% to 90%                                                                                                                                                                                              |
| <b>VOLTAGE REGULATION</b>                       |                                                                                                                                                                                                                                |
| Voltage Regulation Description                  | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 89 to 145                                                                                                                     |
| Overvoltage Correction                          | Input Voltage between 132 and 145 are reduced by 15%                                                                                                                                                                           |
| Undervoltage Correction                         | Input voltages between 92 and 108 are boosted by 18%                                                                                                                                                                           |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b>    |                                                                                                                                                                                                                                |
| Front Panel LCD Display                         | LCD screen with scroll buttons indicates Input voltage, Output voltage, Frequency (Hz), AVR boost / cut status, Output load in watts, Output load percentage, Battery voltage and Estimated runtime in minutes                 |



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|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switches                                                      | Power switch offers whole UPS power control; Scroll/mute button enables LCD selection options and silences audible alarm; Test button initiates self test |
| Alarm Cancel Operation                                        | Power-fail alarm can be silenced via front LCD display or via Remote Monitoring Application                                                               |
| Audible Alarm                                                 | Audible alarm indicates power-failure and low-battery conditions                                                                                          |
| LED Indicators                                                | Green Solid: Running on AC power, Battery Fully Charged. Green Flashing: Running on AC power, Battery charging. Red: Fault                                |
| <b>SURGE / NOISE SUPPRESSION</b>                              |                                                                                                                                                           |
| EMI / RFI AC Noise Suppression                                | Yes                                                                                                                                                       |
| AC Suppression Joule Rating                                   | 380                                                                                                                                                       |
| AC Suppression Response Time                                  | Instantaneous                                                                                                                                             |
| <b>PHYSICAL</b>                                               |                                                                                                                                                           |
| Primary Form Factor                                           | Tower                                                                                                                                                     |
| Rack Height                                                   | 0U                                                                                                                                                        |
| Cooling Method                                                | Fan                                                                                                                                                       |
| Installation Form Factors Supported with Included Accessories | Tower                                                                                                                                                     |
| Primary UPS Depth (mm)                                        | 370                                                                                                                                                       |
| Primary UPS Height (mm)                                       | 200                                                                                                                                                       |
| Primary UPS Width (mm)                                        | 146                                                                                                                                                       |
| Shipping Dimensions (hwd / in.)                               | 11.69 x 9.25 x 19.48                                                                                                                                      |
| Shipping Weight (lbs.)                                        | 25.13                                                                                                                                                     |
| Shipping Weight (kg)                                          | 11.40                                                                                                                                                     |
| UPS Power Module Dimensions (hwd, in.)                        | 7.874 x 5.75 x 14.567                                                                                                                                     |
| UPS Power Module Weight (kg)                                  | 10.40                                                                                                                                                     |
| UPS Power Module Weight (lbs.)                                | 22.928                                                                                                                                                    |
| Unit Dimensions (hwd / in.)                                   | 7.874 x 5.910 x 14.567                                                                                                                                    |
| Unit Weight (lbs.)                                            | 22.928                                                                                                                                                    |
| Unit Weight (kg)                                              | 10.40                                                                                                                                                     |
| <b>ENVIRONMENTAL</b>                                          |                                                                                                                                                           |
| Operating Temperature Range                                   | 32° to 104°F (0° to 40°C)                                                                                                                                 |
| Storage Temperature Range                                     | 5° to 122°F (-15° to 50°C)                                                                                                                                |
| Relative Humidity                                             | 0-95% non-condensing                                                                                                                                      |
| AC Mode BTU / Hr. (Full Load)                                 | 31.01                                                                                                                                                     |
| AC Mode Efficiency Rating (100% Load)                         | >98.4%                                                                                                                                                    |



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| COMMUNICATIONS                                              |                                                                                                                                     |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Network Monitoring Port Description                         | Ethernet port (RJ45) - Port connects to a local network.                                                                            |
| PowerAlert Software                                         | Eaton Cloud-enabled Remote Monitoring Application                                                                                   |
| Network Monitoring Port                                     | Network Configuration (options): with NFC; USB-C port: by enabling CLI commands.                                                    |
| Network Management Card Description                         | Network management not supported                                                                                                    |
| Communications Interface                                    | Near Field Communication (NFC); RJ45 Network; USB-C                                                                                 |
| LINE / BATTERY TRANSFER                                     |                                                                                                                                     |
| Transfer Time                                               | 4MS (10MS MAX)                                                                                                                      |
| Low Voltage Transfer to Battery Power (Setpoint)            | 89                                                                                                                                  |
| High Voltage Transfer to Battery Power (Setpoint)           | 145                                                                                                                                 |
| FEATURES & SPECIFICATIONS                                   |                                                                                                                                     |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported                                                                                                      |
| High Availability UPS Features                              | Automatic Voltage Regulation (AVR); Remote management; Surge/noise protection                                                       |
| Green Energy-Saving Features                                | Greater than 95% efficiency - GREEN UPS                                                                                             |
| APPLICATIONS                                                |                                                                                                                                     |
| UPS Applications                                            | Home/Office Desktop; Audio/Video; High-End Desktop/Small Network; Retail/Point of Sale; Hospitality                                 |
| STANDARDS & COMPLIANCE                                      |                                                                                                                                     |
| Product Certifications                                      | CSA (Canada); ICES (Canada); NOM (Mexico); UL 1778                                                                                  |
| Product Compliance                                          | ENERGY STAR Qualified; FCC Part 15 Class A (USA); RoHS                                                                              |
| WARRANTY & SUPPORT                                          |                                                                                                                                     |
| Product Warranty Period (U.S. & Canada)                     | 3-year limited warranty                                                                                                             |
| Product Warranty Period (Mexico)                            | 3-year limited warranty                                                                                                             |
| Product Warranty Period (Puerto Rico)                       | 3-year limited warranty                                                                                                             |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico)  | \$250,000&nbsp;<a class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>&nbsp; |

1000 Eaton Boulevard  
Cleveland, OH 44122  
United States  
<https://tripplite.eaton.com>

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