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

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

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 (±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%±10%,GOES TO FAULT AFTER 5MIN (Line Mode), 120%±10%,GOES TO FAULT IMMEDIATELY (Line Mode); 110%±10%,SHUTS DOWN IN 5 SEC (Battery Mode), 120%±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
BATTERY	
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%
VOLTAGE REGULATION	
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%
USER INTERFACE, ALERTS & CONTROLS	
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

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
SURGE / NOISE SUPPRESSION	
EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	380
AC Suppression Response Time	Instantaneous
PHYSICAL	
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
ENVIRONMENTAL	
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%

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 Ultimate Lifetime Insurance

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