Powering Business Worldwide

TRIPP LITE SERIES

Important Note

This is the refreshed model, available with Internal Battery only. If you need a comparable UPS with External Battery Module capability, please see SMART2200RMXLN

SmartPro 1950VA 1950W 120V Line-Interactive Sine Wave UPS - 7 Outlets, Extended Run, Network Card Included, LCD, USB, DB9, 2U Rack/Tower

MODEL NUMBER: **SMART2200RM2UN**



Provides complete battery backup and pure sine wave power output for servers, switches and other high-end distributed IT equipment.

Highlights

- Protects equipment against blackouts, brownouts, transient surges and line noise
- Keeps equipment running during outages to allow time for file saves and safe shutdown
- Unity power factor ensures maximum power possible at each power rating
- Included WEBCARDLXE network interface allows 24/7 remote monitor and control
- 2-line front-panel LCD with 10 selectable screens reports detailed UPS and site power info

Package Includes

- 1950VA 1950W 120V Tripp Lite Series Line-Interactive UPS
- WEBCARDLXE network management card
- USB cable
- Micro USB Cable
- DB9 cable
- Rack-mounting hardware
- Tower support stands
- Safety instructions
- Quick Start Guide
- WEBCARDLXE Quick Start Guide

Features

1.95kVA/1.95kW/120V Battery Backup for Distributed IT, Telecom or Enterprise Deployments
This rack-mount line-interactive UPS system provides reliable battery backup and AC power protection against blackouts, brownouts, surges and line noise that can damage your valuable IT equipment or destroy data. The SMART2200RM2UN is ideal power management for high-end in-rack networking equipment, including servers, VoIP phones, data storage and PoE switches. Unity power factor ensures the most watts possible at each power rating, so you can connect more equipment.

Reliable, Expandable Battery Backup Keeps You Operational Through Power Outages
The field-replaceable, hot-swappable VRLA battery modules allow you to work through short power failures and give you enough time to safely save files and shut down your system in case of a prolonged blackout. Switchover from line to battery power happens within milliseconds to maintain continuous operation of connected equipment without interruption or rebooting.

Pre-Installed LX Platform Network Management Card Allows Remote Access 24/7
The WEBCARDLXE network interface enables full remote configuration and management, including load shedding, reboots of connected equipment and safe shutdowns. The IP-based Auto Probe feature ensures continuous network uptime by communicating with other network devices, detecting lost connectivity and automatically rebooting IT equipment. Optional EnviroSense2 modules (E2MT, E2MTDO and E2MTHDI, all sold separately) provide a variety of environmental monitoring and control options.

NEMA 5-20R Outlets Protect Your Connected Components
One L5-20R and six managed 5-20R outlets provide connected equipment with pure sine wave AC output and allow you to monitor power consumption down to the outlet group level. Power provided by these outlets is filtered to protect connected equipment against damaging surges and line noise. Four outlets are grouped into two programmable load banks that let you shed non-critical loads to extend runtime for

critical loads. Front and rear cooling fans help protect equipment from overheating.

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. The SMART2200RM2UN maintains regulated 120V nominal output during brownouts and overvoltages from 80V to 151V while keeping the battery fully charged and ready to take over in case of power failure.

Premium Protection from EMI/RFI Line Noise Helps Your Equipment Perform Better
This UPS system filters out disruptive electromagnetic and radio frequency interference that can inflict hardware damage or data loss. This EMI/RFI filtering also helps your connected components perform better and last longer.

Intuitive Front-Panel Interface for Convenient UPS Operation and Monitoring
The two-line front-panel LCD monitoring screen features ten selectable screens that allow quick access to a wide range of detailed UPS and site power information. LEDs show UPS status: a green light means utility power is on, an orange light means the UPS is in battery mode and a red light indicates an active alarm or fault. The control panel rotates to accommodate both rack-mount and tower configurations.

Advanced Communications Ports Allow for Automatic Saves and Shutdowns
RS-232 and USB ports connect to a device for a variety of communication options (cables are included). A dry-contact relay port can be programmed through the LCD to provide reliable communications to automation and industrial components. The RPO/ROO port permits emergency shutdown or remote restart of all connected equipment.

Versatile Installation Options
You can mount the SMART2200RM2UN in just 2U of space in an EIA-standard 19-inch rack using the included hardware. You can also adapt it for tower installation using the included support stands. The 10-foot power cord with NEMA 5-20P plug connects to a compatible AC outlet.

Specifications

OVERVIEW	
UPC Code	037332178015
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	16A (120V)
Nominal Input Voltage(s) Supported	120V AC
Nominal Input Voltage Description	80V-151V; adjustable to 70-153V
UPS Input Connection Type	5-20P
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	20A 120V
OUTPUT	
Output Capacity (VA)	1950
Output Capacity (kVA)	1.95

Output Capacity (Watts)	1950
Output Capacity (kW)	1.95
Power Factor	1
Nominal Voltage Details	120v nominal output in battery mode
Frequency Compatibility	50 / 60 Hz
Output Voltage Regulation (Line Mode)	120V (-13%, +15%)
Output Voltage Regulation (Battery Mode)	-10%, +6%
Load Management Receptacles	Two switched two-outlet load banks (2x 5-20R and 2x 5-20R)
Output AC Waveform (AC Mode)	Pure Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	100V; 110V; 120V; 125V
Output Receptacles	(6) 5-20R; (1) L5-20R
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	4 min. (1950W)
Runtime Half Load (min.)	12 min. (975W)
Expandable Runtime	No
DC System Voltage (VDC)	72
Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90% (typical, full load discharge)
Battery Access	Front panel battery access door
Internal UPS Replacement Battery Cartridge	Pre-February 2023: RBC94-2U Post-February 2023: 744-A4852
Battery Replacement Description	Hot-swappable, user replaceable 72V DC internal battery cartridge
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 81 to 150V (Normal mode) adjustable to 70-153V (Extended mode)
Overvoltage Correction	Reduces incoming voltage between 132-151V by 13% (Normal Mode); 138-152V (Extended mode)
Undervoltage Correction	Boost incoming voltages between 81-102V by 15% (Normal Mode); 71-92V by 15% (Extended Mode)
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	Front panel LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, operating mode, alarm function and a variety of additional options (see manual for detailed LCD configuration and monitoring options)

Switches	5 pushbutton switches control OFF / ON power status, ENTER, UP, and DOWN selection and ESC control functions. LX Platform Interface: Recessed reset switch for interface reboot and factory reset
Alarm Cancel Operation	Press the ESC (Escape) button on the front panel display to silence the alarm. Check the alarm condition and perform the applicable action to resolve the condition. If the alarm status changes, the alarm beeps again, overriding the previous alarm silencing.
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
LED Indicators	UPS: 3 status-indicating LEDs (normal, battery mode, alarm/fault); LED colors (green = ON, orange = On battery, flashing orange = below warning level, red = alarm/fault). LX Platform Interface Status: Network Link/Activity (Green): Flashes for network activity. Network Speed (Yellow): 10 Mbps (Flashing), 100 Mbps (On steady). Normal Operation (Solid Green); Software Update (Alternating Green/Orange ~1/sec); Factory Reset (Alternating Green/Orange ~2/sec).
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	380
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Rackmount; Tower
Rack Height	2U
Cooling Method	Fan
Included Mounting Accessory Description	Included mounting bracket enables installation in 4 post racks. Two ABS mounting stands enables the UPS to be configured in an upright tower orientation.
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	4 post rackmount short-depth (4POSTRAILKITWM)
Minimum Required Rack Depth (cm)	68.58
Minimum Required Rack Depth (inches)	27
Optional Mounting Accessory Notes	Optional 4POSTRAILKITWM enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm)
Primary UPS Depth (mm)	602
Primary UPS Height (mm)	86
Primary UPS Width (mm)	437
Shipping Dimensions (hwd / in.)	9.40 x 22.80 x 30.90
Shipping Dimensions (hwd / cm)	23.88 x 57.91 x 78.49
Shipping Weight (lbs.)	78.50
Shipping Weight (kg)	35.61
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	8.64 x 43.69 x 60.20

UPS Power Module Dimensions (hwd, in.)	3.4 x 17.2 x 23.7
UPS Power Module Weight (kg)	35.65
UPS Power Module Weight (lbs.)	78.6
Unit Dimensions (hwd / in.)	3.400 x 17.200 x 23.700
Unit Weight (lbs.)	65.3
Unit Weight (kg)	29.62
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	20 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	109
AC Mode Efficiency Rating (100% Load)	96%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	591
Operating Elevation	0-10000 ft. (0-3000 m)
Storage Elevation (ft.)	0-32,808
Audible Noise	40 dBA maximum, front side 1m
Storage Elevation (m)	0-10,000
COMMUNICATIONS	
Network Management Cards	WEBCARDLXE
Network Monitoring Port Description	Pre-installed WEBCARDLXE supports detailed monitoring and management of UPS and site power conditions. Not compatible with WEBCARDLX.
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Office software at https://www.tripplite.com/poweralert
Communications Cable	Micro-USB, USB and DB9 cabling included
Network Monitoring Port	RJ45 Network port, Micro-USB Configuration/Console port, USB A port supports a variety of Envirosense2 environmental and control modules. See Accessories>Management Hardware section for more information about these modules.
EPO Port	RJ11 interface jack with 4-meter cable included. Supports normally open and normally closed EPO systems
SNMP Compatibility	SNMP V1, V2c, V3
Network UPS Tools (NUT) Compatibility	NUT compatible. See a full list of NUT compatible Tripp Lite UPS systems at https://networkupstools.org/stable-hcl.html?manufacturer=Tripp%20Lite
Network Compatibility	10 Mbps; 100 Mbps (Fast Ethernet)
Network Management Card Description	Network management card included. Network slot does not support WEBCARDLX.
Communications Interface	Contact closure; DB9 Serial; EPO (emergency power off); Pre-installed network card; USB (HID enabled)
Emergency Power Off (EPO)/Remote On-Off (ROO)	Yes

LINE / BATTERY TRANSFER	
Transfer Time	1-4ms for normal mode, >5ms for sensitive mode
Low Voltage Transfer to Battery Power (Setpoint)	80 (adjustable to 70V)
High Voltage Transfer to Battery Power (Setpoint)	151
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring and Reboot (included); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Sine wave output; Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
Grounding Details	Rear panel grounding lug
APPLICATIONS	
UPS Applications	High-End Desktop/Small Network; Large Network
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); NOM (Mexico); UL 1778
Product Compliance	RoHS; FCC Part 15 Class A (USA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year warranty, 3 year with registration. Note: Registration is required for 3-year warranty.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

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

© 2024 Eaton. All Rights Reserved.
Eaton is a registered trademark. All other trademarks
are the property of their respective owners.