



# SmartPro 120V 1kVA 800W Line-Interactive Sine Wave UPS, Network Card Option, USB, DB9, 6 Outlets, 1U Rack/Vertical

## MODEL NUMBER: SMART1000RM1U





Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise.

#### Features

**Protects Mission-Critical Rack-Mounted Equipment**Provides fully regulated sine wave AC output for servers, network storage devices and telecom hardwareAudible alarm signals loss of utility power, overload and low battery6 NEMA 5-15R outlets10 t. (3.1 m) power cord with 120V NEMA 5-15P input450-joule surge suppression rating

Reliable Battery BackupSupports half load up to 14 min. and full load up to 4 min.Internal batteries designed for hot-swap field replacement

Switchable Outlets2 load banks, each with one outlet individually controllable via software interface to reboot equipment or shed nonessential loads

Automatic Voltage Regulation (AVR)Maintains 120V nominal output over input range of 83V-147V without using battery power

EMI/RFI Line Noise FilteringRemoves electromagnetic and radio frequency interference that can disrupt or damage equipment's performance

High Efficiency Operation99% line mode efficiency saves money, energy and protects the environment

LED IndicatorsFront-panel LEDs signal power, voltage correction, load level and battery charge state

**Network Management Cards**Compatible with UPS management card options TLNETCARD, WEBCARDLX and SNMPWEBCARD

**Communications Ports**USB and DB9 ports combine with PowerAlert software (available via free download from <u>tripplite.eaton.com/products/power-alert</u>) to monitor operating conditions, monitor AC power, and enable safe unattended system shutdown and file saves in case of a prolonged power failureEPO port supports emergency shutdown in large facilities

**Versatile Installation Options**Hardware included for mounting in 1U of EIA-standard 19 in. 2- or 4-post rackOptional 4POSTRAILKIT1U accessory available for extra support in 4-post installationsCompatible

### Highlights

- Corrects under- and overvoltages from 83V to 147V
- 6 NEMA 5-15R outlets—2 switchable via network interface
- Network power management and control capability
- High 99% efficiency rating saves energy
- Requires WEBCARDLX network interface running firmware update 15.5.2 or later to use Auto Probe

#### Package Includes

- SMART1000RM1U SmartPro 120V 1kVA 800W Line-Interactive Sine Wave UPS
- USB cable
- DB9 cable
- EPO cable
- Mounting hardware
- Owner's manual





with vertical mount cabinets

# **Specifications**

OVERVIEW			
UPC Code	037332118820		
UPS Type	Line-Interactive		
INPUT	INPUT		
Input Phase	Single-Phase		
Rated input current (Maximum Load)	9A		
Nominal Input Voltage(s) Supported	120V AC		
UPS Input Connection Type	5-15P		
Input Circuit Breakers	15A		
Recommended Electrical Service	15A 120V		
Maximum Input Amps	9		
Input Cord Length (ft.)	10		
Input Cord Length (m)	3.05		
OUTPUT			
Output Capacity (VA)	1000		
Output Capacity (kVA)	1		
Output Capacity (Watts)	800		
Output Capacity (kW)	0.8		
Power Factor	0.8		
Nominal Voltage Details	120v nominal output in battery mode		
Frequency Compatibility	60 Hz		
Output Voltage Regulation (Line Mode)	-21%, +8%		
Output Voltage Regulation (Battery Mode)	+/- 5%		
Load Management Receptacles	Two switchable single-outlet 5-15R load banks		
Output AC Waveform (AC Mode)	Sine wave		
Output AC Waveform (Battery Mode)	Pure Sine wave		
Nominal Output Voltage(s) Supported	110V; 115V; 120V		
Output Receptacles	(6) 5-15R		
Individually Controllable Load Banks	Yes		





BATTERY	BATTERY		
Battery Type	Valve Regulated Lead Acid (VRLA)		
Runtime Full Load (min.)	4 min. (800W)		
Runtime Half Load (min.)	14 min. (400W)		
Expandable Runtime	No		
DC System Voltage (VDC)	24		
Battery Recharge Rate (Included Batteries)	4.5 hours from 10% to 90% (typical, full load discharge)		
Battery Access	Front panel battery access door		
Internal UPS Replacement Battery Cartridge	<a class="productLink" href="//tripplite.eaton.com/1U-UPS-Replacement-Battery-Cartridge-select-Tripp-Lite-&lt;br&gt;SmartPro-UPS~RBC69-1U">RBC69-1U</a> >		
Battery Replacement Description	Hot-swappable, user replaceable batteries		
VOLTAGE REGULATION			
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 83 to 147		
Overvoltage Correction	Input voltages between 128 and 147 are reduced by 12%		
Undervoltage Correction	Input voltages between 83 and 107 are boosted by 14%		
USER INTERFACE, ALERTS & CONTROLS			
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation		
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low- battery status		
Audible Alarm	Audible alarm indicates power-failure, overload and low-battery conditions		
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status		
SURGE / NOISE SUPPRESSION			
EMI / RFI AC Noise Suppression	Yes		
AC Suppression Joule Rating	450		
AC Suppression Response Time	Instantaneous		
PHYSICAL			
Primary Form Factor	Rackmount; Vertical		
Rack Height	1U		
Cooling Method	Fan		
Installation Form Factors Supported with Included Accessories	2 post 19 inch rackmount; 2 post front mount; 4 post 19 inch rackmount		
Installation Form Factors Supported with Optional Accessories	Vertical Mount Enclosures ( <a class="productLink" href="//tripplite.eaton.com/SmartRack-5U-Low-Profile-&lt;br&gt;Vertical-Mount-Server-Depth-Wall-Mount-Rack-Enclosure-Cabinet~SRWF5U36">SRWF5U36</a> , <a class="productLink" href="//tripplite.eaton.com/SmartRack-5U-Low-Profile-Vertical-Mount-Switch-Depth-Wall-Mount- Rack-Enclosure-Cabinet~SRWF5U"&gt;SRWF5U ,  <a <br="" class="productLink">href="//tripplite.eaton.com/SmartRack-5U-Low-Profile-Vertical-Mount-Switch-Depth-Wall-Mount- Rack-Enclosure-Cabinet~SRWF5U"&gt;SRWF5U</a> ,  <a <br="" class="productLink">href="//tripplite.eaton.com/SmartRack-5U-Low-Profile-Vertical-Mount-Switch-Depth-Wall-Mount- Enclosure-Adjustable-Equipment-Brackets~SRWF10UMOD"&gt;SRWF10UMOD</a> )</a 		



short-depth racks from 14.5 to 23.5 inches (368 to 597mm); Optional <a class="productLink" href="//tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;(inches)     P0       Optional Mounting Accessory Notes     Optional Accessor/Woles     Optional Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Woles/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accessor/Accecsor/Accessor/Accedsor/Acc&lt;/td&gt;&lt;td&gt;Minimum Required Rack Depth (cm)&lt;/td&gt;&lt;td&gt;50.80&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;shord-deph racks from 14.5 to 23.5 in ches (368 to 597/mi); Optional Antspin-a class=" productlink"<br="">hinches (521 to 914/mi)       Primary UPS Deph (mm)     425       Primary UPS Heiph (mm)     44       Shipping Dimensions (hwd /m)     5.30 x 21.30 x 22.90       Shipping Dimensions (hwd /m)     5.30 x 21.30 x 22.90       Shipping Dimensions (hwd /m)     5.40 co.00       Shipping Dimensions (hwd /m)     6.43 co.00       Shipping Dimensions (hwd /m)     6.43 co.00       Shipping Weight (kg)     16.33       UPS Power Module Dimensions     4.44 x 44.5 x 42.54       UPS Power Module Dimensions     1.75 x 17.5 x 16.75       UPS Power Module Dimensions     1.45 to 200       UPS Power Module Dimensions     1.75 x 16.75       UPS Power Module Dimensions     2.0000       UPS Power Module Dimensions     1.75 x 10.75 to 10.75       UPS Power Module Dimensions     2.0000       UPS Power Module Dimensions     2.0000       UPS Power Mod<td></td><td>20</td></a>		20
Primary UPS Height (mm)     44       Primary UPS Width (mm)     445       Shipping Dimensions (hwd / in.)     5.30 x 21.30 x 22.90       Shipping Dimensions (hwd / cm)     13.46 x 64.10 x 58.17       Shipping Weight (bs.)     36.00       Shipping Weight (bs.)     36.00       Shipping Weight (bs.)     16.33       UPS Power Module Dimensions     4.44 x 44.5 x 42.54       Weight (wd, cm)     17.5 x 17.5 x 16.75       UPS Power Module Dimensions     1.75 x 17.5 x 16.75       UPS Power Module Weight (bs.)     32       UPS Power Module Weight (bs.)     32.0000       Unit Weight (bs.)     32.0000       Unit Weight (bs.)     32.0000       Unit Weight (bs.)     14.51       Mounting Details     Included mounting brackets provide front-rail installation in 2 or 4 post racks; For additional stability in 4 post racks; soried or gotomal 4 post mounting accessories 4POSTRALKIT1U & 4POSTRALKITWM       Environmental     Strip to 102*F (-15* to 50*C)       Relative Humidity     0 to 95%, non-condensing       AC Mode Efficiency Rating (100% post, non-condensing     45 dBA maximum, front side 1m       Audible Noise     45 dBA maximum, front side 1m       Communicat	Optional Mounting Accessory Notes	href="//tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf- Kit~4POSTRAILKIT1U">4POSTRAILKIT1U  enables installation in 4-post full-depth racks from 20.5 to 36
Primary UPS Width (rm)     445       Shipping Dimensions (twd / in.)     5.30 x 21.30 x 22.90       Shipping Dimensions (twd / cm)     13.46 x 54.10 x 58.17       Shipping Weight (bs.)     36.00       Shipping Weight (bs.)     36.00       Shipping Weight (bs.)     16.33       UPS Housing Material     Steel       UPS Power Module Dimensions     4.44 x 44.45 x 42.54       UPS Power Module Dimensions     1.75 x 17.5 x 16.75       UPS Power Module Dimensions     1.75 x 17.5 x 16.75       UPS Power Module Weight (bs.)     32       UPS Power Module Weight (bs.)     32.0000       Unit Weight (bs.)     32.0000       Storage Temperature Range     5° to 122°F (-15° to 50°C)       Relative Humidity	Primary UPS Depth (mm)	425
Shipping Dimensions (hwd / in.)   5.30 x 21.30 x 22.90     Shipping Dimensions (hwd / cm)   13.46 x 54.10 x 56.17     Shipping Weight (bs.)   36.00     Shipping Weight (kg)   16.33     UPS Housing Material   Steel     UPS Power Module Dimensions   4.44 x 44.45 x 42.54     UPS Power Module Dimensions   1.75 x 17.5 x 16.75     UPS Power Module Dimensions   1.75 x 17.5 x 16.75     UPS Power Module Weight (kg)   14.51     UPS Power Module Weight (kg)   14.51     UPS Power Module Weight (kg)   14.51     UPS Power Module Weight (kg)   32.0000     Unit Weight (kg)   14.51     Mounting Details   Included mounting brackets provide front-rail installation in 2 or 4 post racks; For additional stability in 4 post racks; consider optional 4 post mounting accessories 4POSTRAILKITUU & 4POSTRAILKITWM     ENVIRONMENTAL   Operating Temperature Range   32° to 104°F (0° to 40°C)     Storage Temperature Range   32° to 104°F (0° to 40°C)   39     AC Mode BTU / Hr. (Full Load)   39   39     AC Mode BTU / Hr. (Full Load)   39   39%     Audible Noise   45 dBA maximum, front side 1m   Acd Mode Efficiency Rating (100% smaximum, front side 1m	Primary UPS Height (mm)	44
Nomework     13.46 x 54.10 x 58.17       Shipping Dimensions (hwd / cm)     13.46 x 54.10 x 58.17       Shipping Weight (bs.)     36.00       Shipping Weight (kg)     16.33       UPS Housing Material     Steel       UPS Power Module Dimensions     4.44 x 44.45 x 42.54       UPS Power Module Dimensions     1.75 x 17.5 x 16.75       UPS Power Module Dimensions     1.75 x 17.5 x 16.75       UPS Power Module Weight (kg)     14.51       UPS Power Module Weight (kg)     14.51       UPS Power Module Weight (kg)     32.0000       Unit Weight (kg)     14.51       Mounting Details     Included mounting brackets provide front-rail installation in 2 or 4 post racks; For additional stability in 4 post racks; consider optional 4 post mounting accessories 4POSTRAILKITU & 4POSTRAILKITWM       PervireONMENTAL     Storage Temperature Range     32* to 104*F (0* to 40*C)       Storage Temperature Range     32* to 104*F (0* to 40*C)     Storage Temperature Range       AC Mode BTU / Hr. (Full Load)     39     Actioned Efficiency Rating (100%)       99%     39%     Actioble Efficiency Rating (100%)       Actioble Efficiency Rating (100%)     Shops.ca class="productLint" href="//tripplicite.eaton.orm/Web-Management-Accessory-Card-S	Primary UPS Width (mm)	445
Shipping Weight (Ibs.)     36.00       Shipping Weight (kg)     16.33       UPS Housing Material     Steel       UPS Power Module Dimensions (Iwd. cm)     4.44 x 44.45 x 42.54       UPS Power Module Dimensions (Iwd. cm)     1.75 x 17.5 x 16.75       UPS Power Module Dimensions     1.75 x 17.5 x 16.75       UPS Power Module Weight (kg)     14.51       UPS Power Module Weight (kg)     32       Unit Weight (lbs.)     32.0000       Unit Weight (kg)     14.51       Mounting Details     Inclued mounting brackets provide front-rail installation in 2 or 4 post racks; For additional stability in 4 post racks, consider optional 4 post mounting accessories 4POSTRAILKITTU & 4POSTRAILKITTWM       Operating Temperature Range     32* to 104*F (0* to 40*C)       Storage Temperature Range     32* to 104*F (0* to 40*C)       Storage Temperature Range     5* to 122*F (15* to 50*C)       Relative Humidity     0 to 95%, non-condensing       AC Mode BTU / Hr. (Full Lead)     39       AC Mode Efficiency Rating (100%)     99%       Audible Noise     45 dBA maximum, front side 1m       Communications     Stotaps: a class="productLink" href="//tipplite eaton.com/Web-Management-Accessory-Card-SmartPor-Smart/Prointerstarb=Systems=-WEBCARDLXE-/w	Shipping Dimensions (hwd / in.)	5.30 x 21.30 x 22.90
Shipping Weight (kg)   16.33     UPS Housing Material   Steel     UPS Power Module Dimensions   4.44 x 44.45 x 42.54     UPS Power Module Dimensions   1.75 x 17.5 x 16.75     UPS Power Module Weight (kg)   14.51     Unit Weight (kg)   14.51     Unit Weight (kg)   14.51     Mounting Details   Included mounting brackets provide front-rail installation in 2 or 4 post racks; For additional stability in 4 post racks, consider optional 4 post mounting accessories 4POSTRALKIT1U & 4POSTRALKITWM     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 to 95%, non-condensing     AC Mode BTU / Hr. (Full Load)   39     AC Mode Efficiency Rating (100%)   99%     Audible Noise   45 dBA maximum, front side 1m     Communications   Systems-TUNETCARD-TUNETCARD-Ashepp: Robsp:-ca class="productLink" href="//thipplite.eaton.com/Network-Ashepp: Robsp:-ca class="productLink" href="/thipplite.eaton.com/Network-Ashepp: Robsp:-ca class="productLink" href="/thipplite.eaton.com/Network-Ash	Shipping Dimensions (hwd / cm)	13.46 x 54.10 x 58.17
UPS Housing Material   Steel     UPS Housing Material   4.44 x 44.45 x 42.54     UPS Power Module Dimensions   4.44 x 44.45 x 42.54     UPS Power Module Dimensions   1.75 x 17.5 x 16.75     UPS Power Module Weight (kg)   14.51     Unit Weight (kg)   14.51     Mounting Details   Included mounting brackets provide front-rail installation in 2 or 4 post racks; For additional stability in 4 post racks, consider optional 4 post mounting accessories 4POSTRALKIT1U & 4POSTRALKITWM     ENVIRONMENTAL   Deprating Temperature Range   32 to 104°F (0° to 40°C)     Storage Temperature Range   5° to 122°F (-15° to 50°C)   Relative Humidity     AC Mode BTU / Hr. (Full Load)   39   AC Mode BTU / Hr. (Full Load)     AC Mode Efficiency Rating (100%)   99%   99%     Audible Noise   45 dBA maximum, front side 1m     COMMUNICATIONS   Metwork Management Cards   &htsp://cardesse_'productLink' href='//tripplice.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems-TLNETCARDC/aa-&htsp:; &htsp:/-cardesse_'productLink' href='//tripplice.eaton.com/Web-Management-Accessory-Card-Sm	Shipping Weight (lbs.)	36.00
UPS Power Module Dimensions (hwd, cm)   4.44 x 44.45 x 42.54     UPS Power Module Dimensions (hwd, in.)   1.75 x 17.5 x 16.75     UPS Power Module Dimensions (hwd, in.)   1.75 x 17.5 x 16.75     UPS Power Module Weight (kg)   14.51     UPS Power Module Weight (bs.)   32     Unit Weight (bs.)   32.0000     Unit Weight (kg)   14.51     Mounting Details   Included mounting brackets provide front-rail installation in 2 or 4 post racks; For additional stability in 4 post racks, consider optional 4 post mounting accessories 4POSTRAILKIT1U & 4POSTRAILKITWM     ENVIRONMENTAL   Operating Temperature Range   32° to 104°F (0° to 40°C)     Storage Temperature Range   5° to 122°F (-15° to 50°C)   Storage Temperature Range     AC Mode BTU / Hr. (Full Load)   39   39     AC Mode Efficiency Rating (100% Load)   99%   99%     Audible Noise   45 dBA maximum, front side 1m   5% stems-TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNETCARD'>TLNE	Shipping Weight (kg)	16.33
(hwd, cm)   4.44 X 44.45 X 42.54     UPS Power Module Dimensions   1.75 x 17.5 x 16.75     UPS Power Module Weight (kg)   14.51     UPS Power Module Weight (bs.)   32     Unit Weight (bs.)   32.0000     Unit Weight (kg)   14.51     Mounting Details   Included mounting brackets provide front-rail installation in 2 or 4 post racks; For additional stability in 4 post racks, consider optional 4 post mounting accessories 4POSTRAILKIT1U & 4POSTRAILKITWM     ENVIRONMENTAL   22° to 104°F (0° to 40°C)     Storage Temperature Range   32° to 104°F (0° to 40°C)     Storage Temperature Range   5° to 122°F (-15° to 50°C)     Relative Humidity   0 to 95%, non-condensing     AC Mode BTU / Hr. (Full Load)   39     AC Mode Efficiency Rating (100% gays)   99%     Load)   45 dBA maximum, front side 1m     COMMUNICATIONS   & Absp; <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD" productlink"="">TLNETCARD     Network Management Cards    <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">LNETCARD     Network Management Cards    <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">LNETCARD     Network Management Cards    <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">LNETCARD     Network Management Cards    <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-Systems~TLNETCARD" productlink"="">TLNETCARD     Network Management Cards    <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-Systems~TLNETCARD">TLNETCARD</a></a></a></a></a></a>	Storage Temperature Range	5° to 122°F (-15° to 50°C)
AC Mode Efficiency Rating (100% Load)   99%     Audible Noise   45 dBA maximum, front side 1m     COMMUNICATIONS     Network Management Cards     & nbsp; <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD/&gt;LNETCARD/&gt;LNETCARD/&gt;a ; &amp; nbsp;<a class="productLink" href="/tripplite.eaton.com/Network-Card-Eaton-Tripp-Lite-Series-UPS-Systems~WEBCARDLXE" productlink"="">WEBCARDLXE'&gt;WEBCARDLXE'&gt;WEBCARDLXE'&gt;WEBCARDLXE'&gt;WEBCARDLXE'&gt;WEBCARDLXE'&gt;WEBCARDLXE'/a&gt; </a></a>	Relative Humidity	0 to 95%, non-condensing
Load) 99%   Audible Noise 45 dBA maximum, front side 1m   COMMUNICATIONS   Network Management Cards <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD   Network Management Cards  <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD   Network Management Cards  <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">LNETCARD</a></a></a>	AC Mode BTU / Hr. (Full Load)	39
COMMUNICATIONS       Network Management Cards <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD</a> ; <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD</a> ; <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD</a> ; <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD</a> ; <a class="productLink" href="//tripplite.eaton.com/Network-Card-Eaton-Tripp-Lite-Series-UPS-Systems~WEBCARDLXE">WEBCARDLXE"&gt;WEBCARDLXE</a>		99%
Network Management Cards <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD     Network Management Cards    <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD     Network Management Cards    <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD     Network Management Cards    <a class="productLink" href="//tripplite.eaton.com/Network-Card-Eaton-Tripp-Lite-Series-UPS-Systems~WEBCARDLXE">WEBCARDLXE"&gt;WEBCARDLXE</a></a></a></a>	Audible Noise	45 dBA maximum, front side 1m
SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD ; <a <br="" class="productLink">href="//tripplite.eaton.com/Network-Card-Eaton-Tripp-Lite-Series-UPS- Systems~WEBCARDLXE"&gt;WEBCARDLXE</a>	COMMUNICATIONS	
Network Monitoring Port Description Supports detailed monitoring of UPS and site power conditions	Network Management Cards	SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD ; <a <br="" class="productLink">href="//tripplite.eaton.com/Network-Card-Eaton-Tripp-Lite-Series-UPS-</a>
	Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions





PowerAlert Software	For local monitoring via the UPS's built-in communications ports, download PowerAlert software at https://tripplite.eaton.com/products/power-alert
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network Management Card Description	Network management card optional
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB
LINE / BATTERY TRANSFER	
Transfer Time	5 milliseconds AC to DC; 1 millisecond DC to AC
Low Voltage Transfer to Battery Power (Setpoint)	83
High Voltage Transfer to Battery Power (Setpoint)	147
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 (requires WEBCARDLX); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
Grounding Details	Back panel grounding lug
APPLICATIONS	
UPS Applications	Large Network; High-End Desktop/Small Network; Retail/Point of Sale; Hospitality
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: <a <br="" class="insuranceLink">href="//tripplite.eaton.com/support/product-warranty-registration"&gt;Registration is required</a> for 3-year warranty.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 <a class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>

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