# imall

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# Contact us

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#### Tripp Lite 1111 W. 35th Street Chicago, IL 60609 USA Telephone: 773.869.1234 www.tripplite.com

### SmartPro 230V 3kVA 2.7kW Line-Interactive Sine Wave UPS, 2U, Extended Run, Network Card Options, LCD, USB, DB9

#### MODEL NUMBER: SMX3000XLRT2UA







#### Description

Tripp Lite SmartPro Line Interactive UPS with enhanced LCD interface offers network-grade power protection for critical server, network and telecommunications equipment. Line Interactive Uninterruptible Power Supply (UPS) with built-in Auto-Voltage Regulation (AVR) actively corrects brownouts and overvoltages back to usable levels while maintaining a full battery charge in case of power failure. Tripp Lite's unique configuration excels in exceptionally poor-power environments with two separate levels of voltage boost to correct both slight undervoltages and severe brownout conditions. Interactive LCD interface reports UPS operating mode, detailed UPS and site-power data, plus enables a variety of UPS setup and configuration options. Super-fast switchover from line to battery power occurs within milliseconds to maintain operation of connected equipment without interruption or reboot. 98% line-mode efficiency offers reduced heat emissions and operating costs. Network management interfaces support communications via USB, RS-232 and slot for network management card option. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Network communications ports enable detailed monitoring of equipment load levels, self-test data and utility power conditions. PowerAlert monitoring software is available for free download. Switched output load banks enable scheduled and real-time remote reboot and load shedding of select outlets. Emergency Power Off (EPO) interface. LCD display panel easily rotates for viewing in rackmount or tower configurations. Audible alarm with push-button momentary alarm-cancel and silent-mode configuration options. Programmable self-test. Field-replaceable, hot-swappable battery modules.

#### Features

- Tripp Lite SMX3000XLRT2UA line interactive 2U rack/tower UPS with 3000VA / 3kVA capacity and extended runtime options
- Line interactive UPS with Automatic Voltage Regulation (AVR) corrects brownouts and overvoltages from 158 to 278V

#### Highlights

- 3kVA / 3000VA / 2700W line interactive 2U rack/tower UPS, Sine Wave
- Extended runtime options up to 2700W, 0.9 Power Factor, Interactive LCD interface
- 98% line-mode efficiency, 2 switched load banks, 4 post mounting kit
- USB, RS232, EPO and slot for network management card options
- 230V C20 inlet, 8 C13 & 1 C19 outlets

#### Package Includes

- SMX3000XLRT2UA UPS system
- USB, Serial & EPO cabling
- 4 post rackmount installation kit
- Set of 3 C13/C14 power cables
- Instruction manual



- C20 AC power inlet; 8 C13 and 1 C19 output receptacles, Two independently switchable output load banks
- Maintains uninterrupted operation of connected networking equipment during blackouts, surges, brownouts and overvoltages
- High 98% efficiency rating in line-power mode offers reduced power consumption and BTU emisssions
- Internal batteries offer 11.1 minutes at 50% load (1350W) and 3.9 minutes at 100% load (2700W)
- Extended runtime is available with optional external battery packs BP48V24-2U (limit 1), BP48V60RT-3U (multi-pack compatible) and BP48V27-2US (multi-pack compatible)
- External battery configurations require the use of Tripp Lite's External Battery Configuration Software (see manual)
- Hot-swappable, user-replaceable internal batteries and external battery packs can be replaced with no disruption to connected equipment
- · Intelligent battery management system extends battery life
- Front panel LCD monitoring screen with MODE and ENTER buttons reports operating mode with 5-bar battery charge graphic, plus 7 selectable screens of detailed UPS and site power information
- LCD interface also supports a number of advanced user setup and operating preferences
- Ships with 4 post rackmount installation hardware; Optional 2POSTRMKITWM enables 2 post rackmount/wallmount installation; Optional 2-9USTAND enables tower placement
- Built-in USB, RS-232 and slot for optional network management card options
- Compatible with Tripp Lite UPS management card options TLNETCARD, WEBCARDLX, SNMPWEBCARD and RELAYIOCARD
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from <u>www.tripplite.com/poweralert</u>
- Built-in Emergency Power Off (EPO) interface with cable

## **Specifications**

OVERVIEW		
UPC Code	037332181381	
OUTPUT		
Output Volt Amp Capacity (VA)	3000	
Output kVA Capacity (kVA)	3.00	
Output Watt Capacity (Watts)	2700	
Output kW Capacity (kW)	2.70	
Power Factor	.9	



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Nominal Output Voltage(s) Supported	220V; 230V; 240V
Nominal Voltage Details	230v nominal inverter output voltage
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Automatic frequency selection
Output Voltage Regulation (Line Mode)	+6%, -15%
Output Voltage Regulation (Battery Mode)	+/-5%
Output Receptacles	(8) C13; (1) C19
Included Output Power Cables	Set of 3 C13 to C14 power cables included
Load Management Receptacles	Two switchable single outlet C13 load banks
Output AC Waveform (AC Mode)	Pure Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
INPUT	
Rated input current (Maximum Load)	14.1A
Nominal Input Voltage(s) Supported	230V AC
UPS Input Connection Type	C20 inlet
UPS Input Connection Description	IEC320-C20 input connection accepts a variety of user supplied detachable C19 output cordsets to match country or site specific power sources
Input Circuit Breakers	20A
Input Phase	Single-Phase
BATTERY	
Full Load Runtime (min.)	3.9 min. (2700w)
Half Load Runtime (min.)	11.1 min. (1350w)
Expandable Battery Runtime	Extended runtime supported via optional external battery packs
External Battery Pack Compatibility	<a class="productLink" href="//www.tripplite.com/External-48V-2U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-Systems-BP48V24-2U~BP48V24-2U">BP48V24-2U</a> (limit 1); <a class="productLink" href="//www.tripplite.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-Systems-BP48V60RT-3U~BP48V60RT-3U">BP48V24-2U</a> (limit 1); <a class="productLink" href="//www.tripplite.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-Systems-BP48V60RT-3U~BP48V60RT-3U">BP48V60RT-3U</a> (limit 1); <a class="productLink" href="//www.tripplite.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-Systems-BP48V60RT-3U~BP48V60RT-3U">BP48V60RT-3U</a> (multi-pack-Enclosure-DC-Cabling-select-UPS-Systems-BP48V60RT-3U">BP48V60RT-3U (multi-pack-Cower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-Systems-BP48V60RT-3U">BP48V60RT-3U (multi-pack-Enclosure-DC-Cabling-select-UPS-Systems-BP48V60RT-3U">BP48V60RT-3U (multi-pack-Enclosure-DC-Cabling-select-UPS-Systems-BP48V60RT-3U">BP48V60RT-3U (multi-pack-Cower-Battery-Pack-For-UPS-Systems-BP48V27-2US">BP48V27-2US (multi-pack compatible); <a class="productLink" href="//www.tripplite.com/External-48V-2U-Rack-Tower-Battery-Pack-for-UPS-Systems-BP48V27-2US">BP48V27-2US"&gt;BP48V27-2US</a> (multi-pack compatible);
DC System Voltage (VDC)	48
Battery Recharge Rate (Included Batteries)	Less than 5 hours from 10 to 90% (typical, full load discharge)
Internal UPS Replacement Battery Cartridge	<a class="productLink" href="//www.tripplite.com/2U-UPS-Replacement-48VDC-Battery-Cartridge-for-Tripp-&lt;br&gt;Lite-UPS-systems~RBC58-2U">RBC58-2U</a>
Battery Access	Front panel battery access door
Battery Replacement Description	Hot-swappable, replaceable batteries



Expandable Runtime	Yes	
VOLTAGE REGULATION		
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 158 to 278	
Overvoltage Correction	Input voltages between 244 and 278 are reduced by 12%	
Undervoltage Correction	Input voltages between 206 and 183 are boosted by 12%	
Severe Undervoltage Correction	Input voltages between 158 and 183 are boosted by 24%	
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	3 pushbutton switches control OFF / ON power status, MODE selection and MUTE / ENTER control functions	
Alarm Cancel Operation	Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available	
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions	
SURGE / NOISE SUPPRESSION		
UPS AC Suppression Joule Rating	350	
EMI / RFI AC Noise Suppression	Yes	
AC Suppression Response Time	Instantaneous	
PHYSICAL		
Included Mounting Accessory Description	4 post rackmount installation hardware included	
Installation Form Factors Supported with Optional Accessories	2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND)	
Primary Form Factor	Rackmount	
UPS Power Module Dimensions (hwd, in.)	3.50 x 17.50 x 19.50	
UPS Power Module Dimensions (hwd, cm)	8.89 x 44.45 x 49.53	
Rack Height (U Spaces)	2	
Minimum Required Rack Depth without External Battery Pack (cm)	58	
Minimum Required Rack Depth with External Battery Pack (cm)	67	
Minimum Required Rack Depth without External Battery Pack (in.)	23	
Minimum Required Rack Depth with External Battery Pack (in.)	26.5	
UPS Power Module Weight (lbs.)	62.8	



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Shipping Dimensions (twd / in)     9.00 x 23.750 x 20.500       Shipping Dimensions (twd / cm)     22.86 x 60.32 x 52.07       Shipping Weight (bs.)     72.6000       Shipping Weight (bs.)     72.6000       Shipping Weight (bs.)     32.93       Coaling Method     Fan       DPS Housing Method     Fan       Primary UPS Hoight (mm)     89       Primary UPS Depth (nm)     445       Primary UPS Depth (nm)     495       ENVIRONMENTAL		
Shipping Dimensions (twd / cm)       22.86 x 60.32 x 52.07         Shipping Weight (bs.)       72.6000         Shipping Weight (kg)       32.93         Cooling Material       Steel         Primary UPS Weight (rm)       89         Primary UPS Weight (rm)       445         Primary UPS Weight (rm)       495         ENVIRONMENTAL       Cooling Material         Operating Temperature Range       432 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius         Storage Temperature Range       432 to +104 degrees Fahrenheit / 15 to +50 degrees Celsius         Storage Temperature Range       432 to +104 degrees Fahrenheit / 15 to +50 degrees Celsius         Code BTU /Hr. (Full Load)       158         Battery Mode BTU /Hr. (Full Load)       159         Sold Add BTU /Hr. (Full Load)       1501         ACA Mode BTU /Hr. (Full Load)       1501         CAC Mode Efficiency Rating (100%       99%         Communications Interface       USB (HID enabled); DB9 Serial; EPO (emergency power oil); Stol tor SNMP/Web Interface         Network Management Cards       SNMPWEBCARD; TUNETCARD; WEBCARD; VEBCARD; X & https://www.implik.com/Yorgammatike Rating-V-O, and *RELAYPOCARD-KezAnbacy;         Network Monitoring Port Description       Supports detailed monitoring of UPS and sile power conditions         Power/Alert Softwaro       For (cala moni	UPS Power Module Weight (kg)	28.49
Shipping Weight (bs.)     72.6000       Shipping Weight (bs.)     72.6000       Shipping Weight (bs.)     32.93       Cooling Method     Fan       UPS Housing Material     Steel       Primary UPS Height (mm)     445       Primary UPS Depth (mm)     445       Oparating Temperature Range     +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius       Retrieve Humidity     0 to 95%, non-condensing       AC Mode BTU / Hr. (Full Load)     158       Battery Mode BTU / Hr. (Full Load)     1591       AC Mode BTU / Hr. (Full Load)     1591       Battery Mode BTU / Hr. (Full Load)     1591       Retrieve Humidity     0 to 95%, non-condensing       Communications Interface     USB (HID enabled): DB9 Serial: EPO (emergency power off); Slot for SNMP/Web Interface       Network Management Cards     SNMP/WEECARD; TLNETCARD; WEBCARD; X; Snbsp; ca class="productLink" tree=""">Prover Alert Software       ProverAlert Software     For local monitoring of UPS and ste power conditions       ProverAlert Software     For local monitoring of uPS and ste power conditions       ProverAlert Software     For local monitoring of uPS so tail + rebot restart options for remote applications       WatchDog C	Shipping Dimensions (hwd / in.)	9.000 × 23.750 × 20.500
Shipping Waiping Kaping Kap	Shipping Dimensions (hwd / cm)	22.86 x 60.32 x 52.07
Coling Method         Fan           UPS Housing Material         Steel           Primary UPS Height (mm)         89           Primary UPS Width (mm)         445           Primary UPS Depth (mm)         495           ENVIRONMENTAL         Constraints           Coparating Temperature Range         +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius           Storage Temperature Range         +32 to +104 degrees Fahrenheit / 15 to +50 degrees Celsius           Relative Humidity         0 to 95%, non-condensing           AC Mode BTU / Hr. (Fuil Load)         158           Battery Mode BTU / Hr. (Fuil Load)         1501           AC Mode BTU / Hr. (Fuil Load)         1501           98%         98%           COMMUNICATIONS         98%           Communications Interface         USB (HID enabled): DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface           Network Management Cards         SNMPWEBCARD; TLNETCARD; WEDCARD; Sense;-ca class-"producLink" "http://www.thpplito.com/Programmable-Relay-1-C Card)-ELAYIOCARD-/a=a            Network Monitoring Port Descriptio         Supports detailed monitoring of UPS and alte power conditions           PowerAlert Software         For local monitoring via the UPS as bulk in communication ports, download PowerAlert Local software at http://www.thpplite.com/poweralett           Communications Cable <td< td=""><td>Shipping Weight (lbs.)</td><td>72.6000</td></td<>	Shipping Weight (lbs.)	72.6000
UPS Housing Material     Steel       Primary UPS Height (mm)     89       Primary UPS Width (mm)     445       Primary UPS Depth (mm)     495       ENVIRONMENTAL     0       Operating Temperature Range     +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius       Storage Temperature Range     +5 to +122 degrees Fahrenheit / 0 to +40 degrees Celsius       Relative Humidity     0 to 95%, non-condensing       AC Mode BTU / Hr. (Full Load)     158       Battery Mode BTU / Hr. (Full Load)     1501       AC Mode BTU / Hr. (Full Load)     1501       AC Mode BTU / Hr. (Full Load)     1501       AC Mode BTU / Hr. (Full Load)     1501       Communications Interface     USB (HID enabled); DB9 Serial; EPO (emergency power off); Stot for SNMPAWeb interface       Network Management Cards     FMMPWEBCARD: TLNETCARD; WEBCARD: X: Rebey:a clase="productine""         real-""         ref ="//www.thpplits.com/Programmable-Pelay-1-C-Card-PELAYIOCARD-x/a>& https:       Power/Alert Software     For local monitoring via the UPS's bull-in communication ports, download PowerAlert Local software at http://www.thpplits.com/poweralert       Communications Cable     USB, DB9 and EPO cabling included       WatchDog Compatibility     Supports Watchdog application, OS and hard-reboot restart options for remote applications       LINE / BATTERY TRANSFER     Fmiliseconds (AC to battery mode), 1 millisecond (Battery to AC mode)       Ling Voltage	Shipping Weight (kg)	32.93
Primary UPS Height (mm)         89           Primary UPS Height (mm)         445           Primary UPS Depth (mm)         495           ENVIRONMENTAL         Operating Temperature Range         +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius           Storage Temperature Range         +32 to +104 degrees Fahrenheit / -15 to +50 degrees Celsius         Storage Temperature Range           Relative Humidity         0 to 95%, non-condensing         AC           AC Mode BTU / Hr. (Full Load)         158           Battery Mode BTU / Hr. (Full Load)         1501           AC Mode BTU / Hr. (Full Load)         1501           AC Mode BTU / Hr. (Full Load)         1501           AC Mode BTU / Hr. (Full Load)         199%           Communications Interface         USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web Interface           Network Management Cards         SMMP/WEBCARD; TLINETCARD; WEBCARDLX; & https://www.tripplite.com/Programmable-Relay-10-Card-Relay-NOCARD-/a>-& http://www.tripplite.com/Programmable-Relay-10-Card-Relay-NOCARD-/a>-& http://www.tripplite.com/Programmable-Relay-10-Card-Relay-NOCARD-/a>-& http://www.tripplite.com/Programmable-Relay-10-Card-Relay-NOCARD-/a>-& http://www.tripplite.com/Programmable-Relay-10-Card-Relay-NOCARD-/a>-& http://www.tripplite.com/Programmable-Relay-10-Card-Relay-NOCARD-/a>-& http://www.tripplite.com/Programmable-Relay-10-Card-Relay-NOCARD-/a>-& http://www.tripplite.com/Programmable-Relay-10-Card-Relay-NOCARD-/a>-& http://www.tripplite.com/Programmable-Relay-10-Card-Rela	Cooling Method	Fan
Primary UPS Width (mm)       445         Primary UPS Depth (mm)       495         ENVIRONMENTAL       Operating Temperature Range       +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius         Storage Temperature Range       +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius         Relative Humidity       0 to 95%, non-condensing         AC Mode BTU / Hr. (Full Load)       158         Battery Mode BTU / Hr. (Full Load)       1501         AC Mode Efficiency Rating (100%)       98%         COMMUNICATIONS       USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web Interface         Network Management Cards       SNMPWEBCARD; TLNETCARD; WEBCARDLX; & https://www.tinpbilis.com/Programmable-Alagy-10-Card-Falax/IOCARD-/az-&ahbsp         Network Monitoring Port Description       Supports detailed monitoring of UPS and site power conditions         PowerAlert Software       For local monitoring via the UPS's buil-in communication ports, download PowerAlert Local software at http://www.tinpbilis.com/poweralent         Communications Cable       USB, DB9 and EPO cabling included         WatchDog Compatibility       Supports Watchdog application, OS and hard-reboot restart options for remote applications         LINE / BATTERY TRANSFER       Transfer Time         Fransfer Time       6 milliseconds (AC to battery mode), 1 millisecond (Battery to AC mode)         Low Voltage Transfer to Battery <td>UPS Housing Material</td> <td>Steel</td>	UPS Housing Material	Steel
Primary UPS Depth (mm)         495           ENVIRONMENTAL	Primary UPS Height (mm)	89
ENVIRONMENTAL         Operating Temperature Range       +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius         Storage Temperature Range       +5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius         Relative Humidity       0 to 95%, non-condensing         AC Mode BTU / Hr. (Full Load)       158         Battery Mode BTU / Hr. (Full Load)       1501         AC Mode Efficiency Rating (100%       98%         COMMUNICATIONS       98%         Communications Interface       USB (HID enabled): DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface         Network Management Cards       SNMPWEBCARD; TLNETCARD; WEBCARDLX;  ca class="productLink" href="//www.tripplite com/Programmable-Relay-Lo-Card"-RELAYIOCARD-/a>          Network Management Cards       SNMPWEBCARD; TLNETCARD; WEBCARDLX;  ca class="productLink" href="//www.tripplite com/Programmable-Relay-Lo-Card"-RELAYIOCARD-/a>          Network Monitoring Port Description       Supports detailed monitoring of UPS and site power conditions         PowerAlert Software       For local monitoring via the UPS's buil-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert         Communications Cable       USB, DB9 and EPO cabling included         WatchDog Compatibility       Supports Watchdog application, OS and hard-reboot restart options for remote applications         LINE / BATTERY TRANSFER       158      Transfe	Primary UPS Width (mm)	445
Operating Temperature Range         +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius           Storage Temperature Range         +5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius           Relative Humidity         0 to 95%, non-condensing           AC Mode BTU / Hr. (Full Load)         158           Battery Mode BTU / Hr. (Full Load)         1501           AC Mode Efficiency Rating (100%)         98%           COMMUNICATIONS         USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface           Network Management Cards         SNMP/WEBCARD; TUNETCARD; WEBCARD; & https://cardes="productLink" href="//www.tripplite.com/Programmable-Relay-I-O-Card-RELAYIOCARD-/a>            Network Management Cards         Supports detailed monitoring of UPS and site power conditions           PowerAlert Software         For local monitoring via the UPS's buil-in communication ports, download PowerAlert Local software at http://www.tripplite.com/Poweralert           Communications Cable         USB, DB9 and EPO cabling included           WatchDog Compatibility         Supports Watchdog application, OS and hard-reboot restart options for remote applications           LINE / BATTERY TRANSFER         158           Transfer Time         6 milliseconds (AC to battery mode), 1 millisecond (Battery to AC mode)           Low Voltage Transfer to Battery Power (Serpoint)         158           Peyery (Serpoint)         278	Primary UPS Depth (mm)	495
Storage Temperature Range       +5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius         Relative Humidity       0 to 95%, non-condensing         AC Mode BTU / Hr. (Full Load)       158         Battery Mode BTU / Hr. (Full Load)       1501         AC Mode ETIC / Hr. (Full Load)       1501         AC Mode ETIC / Hr. (Full Load)       98%         COMMUNICATIONS       98%         Communications Interface       USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface         Network Management Cards       SNMPWEBCARD; TLNETCARD; WEBCARDLX;  :-ca class="productLink" href="//www.tripplite.com/Programmable-Relay-I-O-Card"-RELAYIOCARD>/RELAYIOCARD>/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 communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert         Communications Cable       USB, DB9 and EPO cabling included         WatchDog Compatibility       Supports Watchdog application, OS and hard-reboot restart options for remote applications         LINE / BATTERY TRANSFER       fs8         Transfer Time       6 milliseconds (AC to battery mode), 1 millisecond (Battery to AC mode)         Low Voltage Transfer to Battery       278         SPECIAL FEATURES       Cold start (Startup in Battery Mode	ENVIRONMENTAL	
Relative Humidity       0 to 95%, non-condensing         AC Mode BTU / Hr. (Full Load)       158         Battery Mode BTU / Hr. (Full Load)       1501         AC Mode Efficiency Rating (100%, og%, con-condensing       98%         COMMUNICATIONS       98%         Communications Interface       USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface         Network Management Cards       SNMPWEBCARD; TLNETCARD; WEBCARDLX;  :-a class="productLink" href="//www.thpplite.com/Programmable-RelapLo-Card"-RELAYIOCARD-         Network Monitoring Port Description       Supports detailed monitoring of UPS and site power conditions         PowerAlert Software       For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.thpplite.com/poweralert         Communications Cable       USB, DB9 and EPO cabling included         WatchDog Compatibility       Supports Watchdog application, OS and hard-reboot restart options for remote applications         LINE / BATTERY TRANSFER       Transfer Time         Transfer Time       6 milliseconds (AC to battery mode), 1 millisecond (Battery to AC mode)         Low Voltage Transfer to Battery Power (Setpoint)       158         SPECIAL FEATURES       278         SetCold Start (Startup in Battery Mode       Cold start exerction gueroated	Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
AC Mode BTU / Hr. (Full Load) 158 Battery Mode BTU / Hr. (Full Load) 1501 AC Mode BTU / Hr. (Full Load) 1501 Battery Mode BTU / Hr. (Full Load) 1501 Be% COMMUNICATIONS COMMUNICATIONS Communications Interface USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface SNMPWEBCARD; TLNETCARD; WEBCARDLX; &nbsp- <a a="" class="productLink" href="//www.tripplite.com/Programmable-Relay-I-O-Card-RELAYIOCARD-/a&gt;  href=" programmable-relay-i-o-card-relayiocard-="" www.tripplite.com="">  href="//www.tripplite.com/Programmable-Relay-I-O-Card-RELAYIOCARD-/a&gt;  href=//www.tripplite.com/programmable-Relay-I-O-Card-RELAYIOCARD-/a&gt;  href=//www.tripplite.com/programmable-Relay-I-O-Card-RELAYIOCARD-/a&gt;  href=//www.tripplite.com/programmable-Relay-I-O-Ca</a>	Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Battery Mode BTU / Hr. (Full Load)       1501         AC. Mode Efficiency Rating (100%)       98%         communications Interface       USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface         Network Management Cards       SNMPWEBCARD; TUNETCARD; WEBCARDLY; <a -relayiocard'="" class="product_ink" href="//www.tripplite.com/Programmable-Relay-I-O-Card">RELAYIOCARD         Network Monitoring Port Description       Supports detailed monitoring of UPS and site power conditions         PowerAlert Software       For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert         Communications Cable       USB, DB9 and EPO cabling included         WatchDog Compatibility       Supports Watchdog application, OS and hard-reboot restart options for remote applications         LINE / BATTERY TRANSFER       for illiseconds (AC to battery mode), 1 millisecond (Battery to AC mode)         Live Voltage Transfer to Battery       158         High Voltage Transfer to Battery       278         SPECIAL FEATURES       Cold start (Startup in Battery Mode</a>	Relative Humidity	0 to 95%, non-condensing
AC Mode Efficiency Rating (100% Load) 98% COMMUNICATIONS Communications Interface USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface Network Management Cards SNMPWEBCARD: TLNETCARD; WEBCARDLX;  : <a <br="" class="productLink">href="//www.tripplite.com/Programmable-Relay-I-O-Card"&gt;RELAYIOCARD*/a&gt;  Network Monitoring Port Description Supports detailed monitoring of UPS and site power conditions PowerAlert Software For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert Communications Cable USB, DB9 and EPO cabling included WatchDog Compatibility Supports Watchdog application, OS and hard-reboot restart options for remote applications LINE / BATTERY TRANSFER Transfer Time 6 milliseconds (AC to battery mode), 1 millisecond (Battery to AC mode) Low Voltage Transfer to Battery Power (Setpoint) 278 SPECIAL FEATURES Cold Start (Startup in Battery Mode Cold at a specified supported</a>	AC Mode BTU / Hr. (Full Load)	158
Load)       BOYS         COMMUNICATIONS         Communications Interface       USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface         Network Management Cards       SNMPWEBCARD; TINETCARD; WEBCARDLX;  -a class="productLink" href="//www.tripplite.com/Programmable-Relay-I-O-Card-RELAYIOCARD>/RELAYIOCARD         Network Monitoring Port Description       Supports detailed monitoring of UPS and site power conditions         PowerAlert Software       For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert         Communications Cable       USB, DB9 and EPO cabling included         WatchDog Compatibility       Supports Watchdog application, OS and hard-reboot restart options for remote applications         Low Voltage Transfer to Battery       6 milliseconds (AC to battery mode), 1 millisecond (Battery to AC mode)         Low Voltage Transfer to Battery       158         Power (Setpoint)       278         Special FEATURES       Cold clast exerction pusported	Battery Mode BTU / Hr. (Full Load)	1501
Communications Interface         USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface           Network Management Cards         SNMPWEBCARD; TLNETCARD; WEBCARDLX; <a <br="" class="productLink">href="//www.tripplite.com/Programmable-Relay-I-O-Card-RELAYIOCARD"&gt;RELAYIOCARD</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 communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert           Communications Cable         USB, DB9 and EPO cabling included           WatchDog Compatibility         Supports Watchdog application, OS and hard-reboot restart options for remote applications           LINE / BATTERY TRANSFER         6 milliseconds (AC to battery mode), 1 millisecond (Battery to AC mode)           Low Voltage Transfer to Battery Power (Setpoint)         158           Special FEATURES         278	AC Mode Efficiency Rating (100% Load)	98%
Network Management Cards         SNMPWEBCARD; TLNETCARD; WEBCARDLX; <a <br="" class="productLink">href="//www.tripplite.com/Programmable-Relay-I-O-Card-RELAYIOCARD"&gt;RELAYIOCARD</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 communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert           Communications Cable         USB, DB9 and EPO cabling included           WatchDog Compatibility         Supports Watchdog application, OS and hard-reboot restart options for remote applications           LINE / BATTERY TRANSFER         f milliseconds (AC to battery mode), 1 millisecond (Battery to AC mode)           Low Voltage Transfer to Battery Power (Setpoint)         158           SPECIAL FEATURES         278	COMMUNICATIONS	
Network Monitoring Port Description         Supports detailed monitoring of UPS and site power conditions           PowerAlert Software         For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert           Communications Cable         USB, DB9 and EPO cabling included           WatchDog Compatibility         Supports Watchdog application, OS and hard-reboot restart options for remote applications           LINE / BATTERY TRANSFER         For illiseconds (AC to battery mode), 1 millisecond (Battery to AC mode)           Low Voltage Transfer to Battery Power (Setpoint)         158           High Voltage Transfer to Battery Power (Setpoint)         278           SPECIAL FEATURES         Cold start exerction supported	Communications Interface	USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
PowerAlert Software       For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert         Communications Cable       USB, DB9 and EPO cabling included         WatchDog Compatibility       Supports Watchdog application, OS and hard-reboot restart options for remote applications         LINE / BATTERY TRANSFER       Transfer Time         6 milliseconds (AC to battery mode), 1 millisecond (Battery to AC mode)         Low Voltage Transfer to Battery       158         Power (Setpoint)       278         SPECIAL FEATURES       Cold atert approximate of cold attert approximate	Network Management Cards	SNMPWEBCARD; TLNETCARD; WEBCARDLX; <a <br="" class="productLink">href="//www.tripplite.com/Programmable-Relay-I-O-Card~RELAYIOCARD"&gt;RELAYIOCARD</a>
http://www.tripplite.com/poweralert         Communications Cable       USB, DB9 and EPO cabling included         WatchDog Compatibility       Supports Watchdog application, OS and hard-reboot restart options for remote applications         LINE / BATTERY TRANSFER <ul> <li>Transfer Time</li> <li>6 milliseconds (AC to battery mode), 1 millisecond (Battery to AC mode)</li> <li>Low Voltage Transfer to Battery</li> <li>Power (Setpoint)</li> <li>158</li> </ul> special FEATURES         Cold Start (Startup in Battery Mode         Cold start (Startup in Battery Mode	Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
WatchDog Compatibility       Supports Watchdog application, OS and hard-reboot restart options for remote applications         LINE / BATTERY TRANSFER       Transfer Time         6 milliseconds (AC to battery mode), 1 millisecond (Battery to AC mode)         Low Voltage Transfer to Battery         Power (Setpoint)         158         SPECIAL FEATURES         Cold Start (Startup in Battery Mode         Cold Start (Startup in Battery Mode	PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert
LINE / BATTERY TRANSFER Transfer Time 6 milliseconds (AC to battery mode), 1 millisecond (Battery to AC mode) Low Voltage Transfer to Battery Power (Setpoint) 158 High Voltage Transfer to Battery Power (Setpoint) 278 SPECIAL FEATURES Cold Start (Startup in Battery Mode Cold start operation supported	Communications Cable	USB, DB9 and EPO cabling included
Transfer Time       6 milliseconds (AC to battery mode), 1 millisecond (Battery to AC mode)         Low Voltage Transfer to Battery       158         High Voltage Transfer to Battery       278         SPECIAL FEATURES         Cold Start (Startup in Battery Mode       Cold start exercision supported	WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Low Voltage Transfer to Battery Power (Setpoint)     158       High Voltage Transfer to Battery Power (Setpoint)     278       SPECIAL FEATURES     Cold start exercision supported	LINE / BATTERY TRANSFER	
Power (Setpoint)     100       High Voltage Transfer to Battery Power (Setpoint)     278       SPECIAL FEATURES     Cold start exception supported	Transfer Time	6 milliseconds (AC to battery mode), 1 millisecond (Battery to AC mode)
Power (Setpoint)     270       SPECIAL FEATURES     Cold start exercision supported	Low Voltage Transfer to Battery Power (Setpoint)	158
Cold Start (Startup in Battery Mode	High Voltage Transfer to Battery Power (Setpoint)	278
Cold Start (Startup in Battery Mode During a Power Failure) Cold-start operation supported	SPECIAL FEATURES	
	Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported



High Availability UPS Features	Hot swappable batteries
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks; Schedulable daily hours of economy mode operation
CERTIFICATIONS	
UPS Certifications	CE; ROHS (Restriction of Hazardous Substances)
UPS Certification Details	IEC 62040-1, IEC 62040-2 Class A EMI, GOST
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

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