

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

## SmartOnline 208/240, 230V 6kVA 4.2kW Double-Conversion UPS, 6U Rack/Tower, Extended Run, Oversize Batteries, Network Card Slot, DB9, Hardwire

### MODEL NUMBER: SU6000RT3UHVXL









#### Description

Tripp Lite Smart Online UPS systems offer high performance power protection ideal for critical server and network equipment in datacenters, computer rooms and network closets. Online, double-conversion Uninterruptible Power Supply (UPS) maintains perfectly regulated output power by continuously converting raw AC input to DC, then re-converting output back to AC. Fully regulated sine wave AC output with +/-2% voltage regulation powers network equipment continuously, even during severe brownouts and overvoltages, all without depleting UPS battery reserves. Maintains battery-derived AC output during power failures with zero transfer time. Extended runtime options available. Interactive LCD interface reports UPS operating mode, detailed UPS and site-power data, plus enables a variety of UPS setup and configuration options. Highly efficient operation in optional economy mode saves BTU heat output and energy costs. Network management interfaces support communications via RS-232, contact-closure and slot for optional network management card options. Built-in DB9 port offers both enhanced RS-232 data and basic contact closure monitoring ability. PowerAlert monitoring software is available via free download. Emergency Power Off (EPO) interface. LED display reports UPS operating mode, line power availability, battery mode operation, inverter operation, ECO mode status and output power availability. Audible alarm with push-button momentary alarm-cancel and silent-mode LCD configuration options. Programmable self-test. Fault-tolerant auto-bypass mode. Field-replaceable, hot-swappable internal batteries and external battery packs.

#### Features

- True on-line, double conversion UPS provides pure, sine wave AC output at all times
- World-wide compatibility with Euro 50Hz and High Voltage North American 60Hz power
- Maintains continuous operation through blackouts, voltage fluctuations and surges with zero transfer

### Highlights

- 6000VA / 6kVA / 4200W on-line double-conversion UPS
- 200/208/220/230/240V 50/60Hz output, Economy mode option
- 6U Rack/Tower compatible; Hotswappable battery modules
- RS232 & EPO ports; Slot for network card options
- Front panel LEDs with detailed LCD monitoring and control screen
- Ships with high capacity BP240V10RT3U battery pack
- Hardwire input (3 wire);
  Hardwire output

#### Package Includes

- SU6000RT3UPM 3U UPS
  Power Module
- BP240V10RT3U 3U external battery pack
- Serial and EPO cables
- Mounting hardware to support each 3U module in 4 post rack enclosures
- 2-9USTAND tower stand set
- Warranty information
- Instruction manual



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time

- Removes harmonic distortion, electrical impulses, frequency variations and other hard to solve power problems
- 6000VA/4200 watt power capacity with hardwire input/output connections
- Accepts input voltages between 156 and 276, regulating output within 2% of selectable 200/208/220/230/240v AC output
- 30 minutes runtime at half load (2100W) / 12 minutes at full load (4200W) with included BP240V10RT3U external battery pack
- Expandable runtime with multiple external battery packs
- Intelligent battery management system extends battery life
- Innovative design makes unit adaptable for rackmount, tower, or stacking applications
- Power module and battery pack require only 3 rack spaces each (6U total rack space usage)
- DB9 serial port for network interface; SNMP compatible
- Compatible with Tripp Lite UPS management card options TLNETCARD, WEBCARDLX, SNMPWEBCARD, MODBUSCARD and RELAYIOCARD
- Serial port enables data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from <u>www.tripplite.com/poweralert</u>
- Fault tolerant electronic bypass maintains utility output during a variety of UPS fault conditions
- Diagnostic LEDs
- Mounting hardware included with each 3U module for 4 post rackmount installation, 2 post telecom rack compatible with separate purchase 2POSTRMKITHD (2 required)
- Includes RJ11 EPO (emergency power off) port and interconnection cable
- \$250,000 Ultimate Lifetime Insurance (U.S., Canada, and Puerto Rico only)

# **Specifications**

OVERVIEW		
UPC Code	037332172105	
UPS Type	On-Line	
INPUT		
Rated input current (Maximum Load)	30A	
Nominal Input Voltage(s) Supported	200V AC; 208V AC; 220V AC; 230V AC; 240V AC	
UPS Input Connection Type	Hardwire	
UPS Input Connection Description	Supports North American 208/240V input (L1,L2,G) and International 230/220/240V (L,N,PE) input wiring; Optional SUPDM11 backplate adds 2 L6-30R outlets and L6-30P input cord	
Input Circuit Breakers	40A double-pole	
Recommended Electrical Service	30A 208/220/230/240V	



Input Phase	Single-Phase
OUTPUT	
Output Volt Amp Capacity (VA)	6000
Output kVA Capacity (kVA)	6
Output Watt Capacity (Watts)	4200
Output kW Capacity (kW)	4.2
Output Capacity Details	4.2 Supports up to 102% load continuously in double conversion mode, 102 to 125% for 1 minute, 126% to 150% for 30 seconds; Loads over 150% trigger immediate bypass mode operation to support loads directly from mains power; Double conversion mode is automatically restored as load levels are reduced to 90% or less
Power Factor	0,7
Crest Factor	3:1
Nominal Voltage Details	Voltage selection via front panel LCD interface
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Output frequency matches input nominal on startup
Output Voltage Regulation (Line Mode)	+/- 2%
Output Voltage Regulation (Economy Line Mode)	+/- 10%
Output Voltage Regulation (Battery Mode)	+/- 2%
Output Receptacle Backplate Options	Optional SUPDM11 backplate adds 2 L6-30R outlets and L6-30P input cord
Output Circuit Breakers	40A double-pole
Output AC Waveform (AC Mode)	Pure Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	200V; 208V; 220V; 230V; 240V
Output Receptacles	Hardwire
Individually Controllable Load Banks	No
BATTERY	
Full Load Runtime (min.)	12 min. (4200w)
Half Load Runtime (min.)	30 min. (2100w)
Expandable Battery Runtime	Includes one expandable <a class="productLink" href="//www.tripplite.com/external-240v-tower-battery-pack-&lt;br&gt;tripp-lite-3-phase-ups-systems-3u~BP240V10RT3U">BP240V10RT3U</a> external battery pack; built-in daisychain throughput connected supports the connection of multiple additional <a <br="" class="productLink">href="//www.tripplite.com/external-240v-tower-battery-pack-tripp-lite-3-phase-ups-systems- 3u~BP240V10RT3U"&gt;BP240V10RT3U</a> %nbsp; external battery packs
Expandable Runtime	Yes
External Battery Pack Compatibility	<a class="productLink" href="//www.tripplite.com/external-240v-tower-battery-pack-tripp-lite-3-phase-ups-&lt;br&gt;systems-3u~BP240V10RT3U">BP240V10RT3U</a>



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DC System Voltage (VDC)	240
Battery Recharge Rate (Included Batteries)	Less than 6 hours from 10% to 80% (typical, full load discharge)
Battery Replacement Description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage Regulation Description	Online, double-conversion power conditioning
Overvoltage Correction	2% output voltage regulation during overvoltages to 276
Undervoltage Correction	2% output voltage regulation during undervoltages to 156
USER INTERFACE, ALERTS & CON	TROLS
Front Panel LCD Display	Selectable LCD display with scroll and selection buttons enables UPS control and detailed monitoring options; LED/LCD panel rotates for viewing in rack/tower formats (see manual)
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation; 2 additional switches support set and execute scrolling LCD functions
Alarm Cancel Operation	Alarm cancel switch
Audible Alarm	Unique audible alarms for all major UPS, environmental and power conditions (see manual)
LED Indicators	6 LEDs indicate line power, online mode, economy/bypass mode, on-battery, charger and AC output status; LCD screen offers additional information and control options
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Cooling Method	Fan
Included Battery Pack Dimensions (hwd / in.)	5.2 x 17.5 x 25
Included Battery Pack Weight (lbs.)	136.5
Included Battery Pack Weight (kg)	61.92
Included Mounting Accessory Description	2 sets of adjustable 4 post rack rails included (for UPS and battery pack components); 2-9USTAND tower kit included (supports up to 9U in tower format)
Installation Form Factors Supported with Optional Accessories	2 post rackmount ( <a class="productLink" href="//www.tripplite.com/2-Post-Rack-Mount-Installation-Kit-3U-&lt;br&gt;Larger-UPS-Transformer-Battery-Pack-Components~2POSTRMKITHD">2POSTRMKITHD</a> )
Minimum Required Rack Depth (cm)	95.25
Minimum Required Rack Depth (inches)	37.5
Optional Mounting Accessory Notes	2 sets of <a class="productLink" href="//www.tripplite.com/2-Post-Rack-Mount-Installation-Kit-3U-Larger-&lt;br&gt;UPS-Transformer-Battery-Pack-Components~2POSTRMKITHD">2POSTRMKITHD</a> required for 2 post rackmount installation of separate power module and battery pack
Primary Form Factor	Rackmount
Primary UPS Depth (mm)	660



Primary UPS Width (nm)  445    Rack Height  6U    Shipping Dimensions (hwd / cm)  69.85 x 101.60 x 121.92    Shipping Dimensions (hwd / in)  27.50 x 40.00 x 48.00    Shipping Weight (kg)  146.51    Shipping Weight (kg)  323.00    UPS Housing Material  Steel    UPS Power Module Dimensions  13.21 x 44.45 x 68.04    UPS Power Module Dimensions  5.2 x 17.5 x 26    UPS Power Module Weight (kg)  19.87    UPS Power Module Weight (kg)  19.83    AC Mode BTU /Hr. (Full Load)  1418    Battery Mode BTU /Hr. (Full Load)  1418    Ca Ca Cocord Mode Efficiency Rating  91%    AC Mode Efficiency Rating  94%    Operating Elevation (It)  0.3000 m    Cocord Mode Efficiency Rating  94%    Operating Elevation (It)  0.3000 m    Coparating Elevation (It)  0.3000 m    Operating Elevation (It)  0.3		
Rack Height  6U    Shipping Dimensions (hwd / rm)  69.85 x 101.60 x 121.92    Shipping Dimensions (hwd / rm)  27.50 x 40.00 x 48.00    Shipping Weight (kg)  146.51    Shipping Weight (kg)  146.51    Shipping Material  Steel    UPS Power Module Dimensions  5.2 x 17.5 x 26    UPS Power Module Dimensions  5.2 x 17.5 x 26    UPS Power Module Weight (kg)  19.87    UPS Power Module Weight (kg)  19.87    UPS Power Module Weight (kg)  19.87    UPS Power Module Weight (kg)  43.8    ENVIRONMENTAL  Dearating Temperature Range    45 to +132 degrees Fahrenheit / 15 to +50 degrees Celsius.    Relative Humidity  0 to 95%, non-condensing    AC Mode BTU / Hr. (Full Load)  1418    Battery Mode Efficiency Rating (100% cond)  91%,    Operating Elevation (h; 1)  0-3000 m    Communication (h; 1)  0-3000 m<	Primary UPS Height (mm)	132
Shipping Dimensions (twd / cm)      69.85 x 101.60 x 121.92        Shipping Dimensions (twd / in.)      27.50 x 40.00 x 48.00        Shipping Weight (kg)      146.51        Shipping Weight (kg)      146.51        Shipping Weight (kg)      13.21 x 44.45 x 66.04        UPS Prover Module Dimensions      5.2 x 17.5 x 26        UPS Power Module Dimensions      5.2 x 17.5 x 26        UPS Power Module Dimensions      5.2 x 17.5 x 26        UPS Power Module Weight (kg.)      19.87        UPS Power Module Weight (kg.)      13.8        ENVIRONMENTAL      43.8        Control Conto 10.000 ft.)        Auc	Primary UPS Width (mm)	445
Shipping Dimensions (hwd / in.)    27.50 × 40.00 × 48.00      Shipping Weight (kg)    146.51      Shipping Weight (kg)    146.51      Shipping Weight (kg)    13.21 × 44.45 × 66.04      UPS Power Module Dimensions    13.21 × 44.45 × 66.04      UPS Power Module Dimensions    5.2 x 17.5 × 26      UPS Power Module Weight (kg)    19.87      UPS Power Module Weight (lbs.)    43.8      ENVIRONMENTAL    Operating Temperature Range      +5 to +122 degrees Fahrenheit / 15 to +50 degrees Celsius.    Storage Temperature Range      AC Mode BTU / Hr. (Full Load)    1418      Battery Mode BTU / Hr. (Full Load)    1593      AC Mode Efficiency Rating    94%      Operating Elevation (th.)    0-3000 m      Communication (th.)    0-3000 m      CommUNICATIONS    Shaps-ca class="product.ink" hete-"//www.tipplite.com/Web-Management-Accessary-Card-SmartPor-SmartPor-SmartPor-SmartPor-SmartPor-Sma	Rack Height	6U
Action    146.51      Shipping Weight (bs.)    323.00      UPS Housing Material    Steel      UPS Power Module Dimensions    13.21 x 44.45 x 66.04      UPS Power Module Dimensions    5.2 x 17.5 x 26      UPS Power Module Dimensions    5.2 x 17.5 x 26      UPS Power Module Weight (bs.)    13.87      UPS Power Module Weight (bs.)    43.8      Environmental    Coparating Temperature Range      +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius.      Coparating Temperature Range    +5 to +122 degrees Fahrenheit / 15 to +50 degrees Celsius.      Storage Temperature Range    +5 to +122 degrees Fahrenheit / 15 to +50 degrees Celsius.      AC Mode BTU / Hr. (Full Load)    1418      Battery Mode BTU / Hr. (Full Load)    1593      AC Mode Efficiency Rating    64%      Operating Temperature Range    44%      Operating Elevation (ft.)    0-3000 m (to 10.000 ft.)      Action State    60 dBA at front side 1 meter      Operating Elevation (m)    0 - 3000 m      COMMUNICATIONS    Sampto-allose_Tronkenperon-Ancessory-Card-SmartPo-Sampto-allose_TronductLink* http://www.tipplite.com/Web-Management-Accessory-Card-SmartPo-Sampto-allose_TronductLink* http://www.tipplite.com/Web-Management-Accessory-Card-SmartPo-Sampto-allose_Trondu	Shipping Dimensions (hwd / cm)	69.85 x 101.60 x 121.92
AC Economy Mode Efficiency Rating      91%        AC Economy Mode Efficiency Rating      94%        Constraint of the ficiency Rating      94%        Communications      0.3000 mt        Communications      0.32000 mt        Relation Robins      6.2 x 17.5 x 26        UPS Power Module Weight (lbs.)      19.87        UPS Power Module Weight (lbs.)      19.87        UPS Power Module Weight (lbs.)      43.8        ENVIRONMENTAL      0.0 s400 degrees Fahrenheit / 0 to 440 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. (Full Load)      1418        Battery Mode Efficiency Rating (100%      91%        AC Economy Mode Efficiency Rating (100%      91%        Ad Economy Mode Efficiency Rating (100%      0 - 3000 mt        Communication (m)      0 - 3000 mt        Conde BTU / Hr. (Full Load)      91%        Add Economy Mode Efficiency Rating (100%      91%        Communication (m)      0 - 3000 mt        Communication (m)      0 - 3000 mt        Construle Elevation (m)      0 - 3000 mt </td <td>Shipping Dimensions (hwd / in.)</td> <td>27.50 x 40.00 x 48.00</td>	Shipping Dimensions (hwd / in.)	27.50 x 40.00 x 48.00
UPS Housing Material    Steel      UPS Housing Material    Steel      UPS Power Module Dimensions (wd, in.)    13.21 x 44.45 x 66.04      UPS Power Module Dimensions (wd, in.)    5.2 x 17.5 x 26      UPS Power Module Weight (kg)    19.87      UPS represent Module Weight (kg)    19.87      UPS represent Module Weight (kg)    19.87      Operating Temperature Range    +32 to +104 degrees Fahrenheit / 15 to +50 degrees Celsius.      Storage Temperature Range    +5 to +122 degrees Fahrenheit / 15 to +50 degrees Celsius.      AC Mode BTU / Hr. (Full Load)    1418      Battery Mode Efficiency Rating (100%    91%      Operating Elevation (ft.)    0-3000m (0 to 10,000 ft.)      Audible Noise    60 dBA at front side 1 meter      Operating Elevation (m)    0 - 3000 m      COMMUNICATIONS    Storage-a class="productLink" href="//www.tripplite.com/NDMP/WEECARD-Sahatsp:, ahtsp:, a class="productLink" href="//www.tripplite.com/	Shipping Weight (kg)	146.51
UPS Power Module Dimensions    13.21 x 44.45 x 66.04      UPS Power Module Dimensions    5.2 x 17.5 x 26      UPS Power Module Weight (kg)    19.87      UPS Power Module Weight (kg)    19.87      UPS Power Module Weight (kg)    19.87      UPS Power Module Weight (kg)    43.8      ENVIRONMENTAL    43.8      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)    1418      Battery Mode BTU / Hr. (Full Load)    1593      AC Economy Mode Efficiency Rating (100% Load)    91%.      Operating Elevation (ft.)    0-3000 m (0 to 10,000 ft.)      Audible Noise    60 dBA at front side 1 meter      Operating Elevation (m)    0 - 3000 m      COMMUNICATIONS    Systems-SIMP/VEBCARD/SiMMPVEBCARD/Si-Sempera class=* productLink* thefs-"/www.tipplite.com/SIMP-Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems-SIMPVEBCARD/Si-ShM	Shipping Weight (lbs.)	323.00
(hud, cm)    13.21 x 44.45 X 05.04      UPS Power Module Dimensions    5.2 x 17.5 x 26      (hud, cm)    19.87      UPS Power Module Weight (kg)    19.87      UPS Power Module Weight (ks)    43.8      ENVIRONMENTAL    Operating Temperature Range      +5 to +122 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)    1418      Battery Mode Efficiency Rating (100%    91%      AC Mode Efficiency Rating (100%    94%      Operating Elevation (ft.)    0-3000 m (0 to 10,000 ft.)      Ac Module Elficiency Rating (100%    94%      Operating Elevation (m)    0 - 3000 m      Communication (m)    0 - 3000 m      Network Management Cards    Sth	UPS Housing Material	Steel
(hvd, in.)    5.2 X 17.5 X 26      UPS Power Module Weight (kg)    19.87      UPS Power Module Weight (bs.)    43.8      ENVIRONMENTAL	UPS Power Module Dimensions (hwd, cm)	13.21 x 44.45 x 66.04
UPS Power Module Weight (lbs.)    43.8      ENVIRONMENTAL	UPS Power Module Dimensions (hwd, in.)	5.2 x 17.5 x 26
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. (Fuil Load)      1418        Battery Mode BTU / Hr. (Fuil Load)      1593        AC Mode Efficiency Rating      94%        Operating Elevation (ft.)      0-3000m (0 to 10,000 ft.)        Audible Noise      60 dBA at front side 1 meter        Operating Elevation (m)      0 - 3000 m        COMMUNICATIONS      Smbsp-ca class="product.ink" href="//www.tripplite.com/SNMP-Web-Management-Accessory-Card-SmartPro-Smart	UPS Power Module Weight (kg)	19.87
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)      1418        Battery Mode BTU / Hr. (Full Load)      1593        AC Mode Efficiency Rating (100% Load)      91%        AC Economy Mode Efficiency Rating (100% Load)      94%        Operating Elevation (ft.)      0-3000m (0 to 10,000 ft.)        Audible Noise      60 dBA at front side 1 meter        Operating Elevation (m)      0 - 3000 m        COMMUNICATIONS	UPS Power Module Weight (lbs.)	43.8
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)      1418        Battery Mode BTU / Hr. (Full Load)      1593        AC Mode Efficiency Rating (100%)      91%        AC Economy Mode Efficiency Rating (100%)      94%        Operating Elevation (ft.)      0-3000m (0 to 10,000 ft.)        Audible Noise      60 dBA at front side 1 meter        Operating Elevation (m)      0 - 3000 m        Communications      0 - 3000 m        Communications      0 - 3000 m        Communications      8        Network Management Cards      8nbsp: <a class="productLink" href="//www.tripplite.com/SNMP-Web-Management-Accessory-Card-SmartPro-&lt;br&gt;SmartOnline-UPS-Systems-SNMPWEBCARD'sSNMPWEBCARD-sanbsp;: &amp; abss:_a class=" productlink"="" productlink"<br="">href=//www.tripplite.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS- Systems-TLNETCARD      Network Management Cards    &amp; ansp:_a class="productLink" href="//www.tripplite.com/SNMP-Web-Management-Accessory-Card-SmartPro- SmartOnline-UPS-Systems-SNMPWEBCARD'sSNMPWEBCARS"sMDWW.tripplite.com/Web- Management-Accessory-Card-SmartPro-SmartOnline-UPS- Systems-TLNETCARD&gt;TLNETCARD      Network Management Cards    &amp; ansp:_a class="productLink" href="//www.tripplite.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS- Systems-TLNETCARD&gt;TLNETCARD      Network Monitoring Port Description    RS232 and contact closure communications are located on two separate DB9 ports      PowerAlert Software    For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert</a>	Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius.
AC Mode BTU / Hr. (Full Load)    1418      Battery Mode BTU / Hr. (Full Load)    1593      AC Mode Efficiency Rating (100%)    91%      Jack Mode Efficiency Rating (100%)    91%      AC Economy Mode Efficiency Rating    94%      Operating Elevation (ft.)    0-3000m (0 to 10,000 ft.)      Audible Noise    60 dBA at front side 1 meter      Operating Elevation (m)    0 - 3000 m      COMMUNICATIONS      Network Management Cards     : <a class="productLink" href='//www.tripplite.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems-SNMPWEBCARD&lt;/td&gt;      Network Management Cards     :&lt;a class="productLink" href=' productlink"="" td="" web-management-accessory-card-smartpro-smartonline-ups-systems-snmpwebcard<="" www.tripplite.com="">      Network Management Cards     :<a class="productLink" href='//www.tripplite.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems-SNMPWEBCARD&lt;/td&gt;      Network Management Cards     :&lt;a class="productLink" href=' td="" web-management-accessory-card-ups-smartonline-ups-systems-snmpwebcard<="" www.tripplite.com="">      Network Management Cards     :<a class='DroductLink"' href='//www.tripplite.com/Web-Management-Accessory-Card-UPS-SmartOnline-UPS-SmartOnline-UPS-SmartOnline-UPS-SmartOnline-UPS-SmartOnline-UPS-SmartOnline-UPS-SmartOnline-UPS-SmartOnline-UPS-SmartOnline-UPS-SmartOnline-UPS-SmartOnline-UPS-SmartOnline-UPS-SmartOnline-UPS-SmartOnline-UPS-SmartOnline-UPS-S&lt;/td&gt;&lt;td&gt;Relative Humidity&lt;/td&gt;&lt;td&gt;0 to 95%, non-condensing&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;AC Mode Efficiency Rating (100%&lt;br&gt;Load) 91%&lt;br&gt;AC Economy Mode Efficiency Rating 94%&lt;br&gt;Operating Elevation (ft.) 0-3000m (0 to 10,000 ft.)&lt;br&gt;Audible Noise 60 dBA at front side 1 meter&lt;br&gt;Operating Elevation (m) 0 - 3000 m&lt;br&gt;0 - 3000 m&lt;br&gt;COMMUNICATIONS&lt;br&gt;Network Management Cards &amp; https://acadasse="productLink" href="//www.tripplite.com/SNMP-Web-Management-Accessory-Card-SmartPro-&lt;br&gt;SmartOnline-UPS-Systems-SNMPWEBCARD'>SNMPWEBCARD'/a&gt; : &amp; class="productLink" href="//www.tripplite.com/Web-Management-Accessory-Card-SmartPro- SmartOnline-UPS-Systems-SNMPWEBCARD'&gt;SNMPWEBCARD'/a&gt; : &amp; class="productLink" href="//www.tripplite.com/Web-Management-Accessory-Card-SmartPro- SmartOnline-UPS-Systems-SNMPWEBCARD'&gt;SNMPWEBCARD'/a&gt; : &amp; class="productLink" href="//www.tripplite.com/Web-Management-Accessory-Card-SmartPro- SmartOnline-UPS-Systems-SNMPWEBCARD'&gt;SNMPWEBCARD:/a&gt; : &amp; a class="productLink" href="//www.tripplite.com/Web-Management-Accessory-Card-UPS-Remote-Monitoring- Control-MODBUSCARD'&gt;MODBUSCARD'&gt;SNMPWEBCARDLX'a&gt; : &amp; a class="productLink" href="//www.tripplite.com/MODBUSCARD.X'=WEBCARDLX'a&gt; : &amp; a class="productLink" href="//www.tripplite.com/MODBUSCARD.X'=WEBCARDLX'a&gt; : &amp; a class="productLink" href="//www.tripplite.com/MODBUSCARD'&gt;WEBCARDLX'=&gt;WEBCARDLX'=&gt;&amp;mate-Monitoring- Control-MODBUSCARD'&gt;MODBUSCARD // RS232 and contact closure communications are located on two separate DB9 ports PowerAlert Software For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert</a></a></a>	AC Mode BTU / Hr. (Full Load)	1418
Load)    51.7a      AC Economy Mode Efficiency Rating (100% Load)    94%      Operating Elevation (ft.)    0-3000m (0 to 10,000 ft.)      Audible Noise    60 dBA at front side 1 meter      Operating Elevation (m)    0 - 3000 m      COMMUNICATIONS      Network Management Cards      & nbsp; <a class="productLink" href="//www.tripplite.com/SNMP-Web-Management-Accessory-Card-SmartPro-&lt;br&gt;SmartOnline-UPS-Systems-SNMPWEBCARD/sSNMPWEBCARD/sa_shbsp;: % nbsp:      Systems-TLNETCARD'sTLNETCARD/as/SNMPWEBCARD/sa_shbsp;: % nbsp;&lt;a class=" productlink"="" productlink"<br="">href="//www.tripplite.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS- Systems-TLNETCARD'sTLNETCARD/as/SNMPWEBCARD/as/nbsp;: % nbsp;<a <br="" class="productLink">href="//www.tripplite.com/MODBUSCAP="//www.tripplite.com/Web-Management-Accessory-Card-SmartPro- SmartOnline-UPS-Systems-TLNETCARD/as/nbsp;: % nbsp;<a <br="" class="productLink">href="//www.tripplite.com/MODBUSCARD/as/nbsp;: % nbsp;<a <br="" class="productLink">href="//www.tripplite.com/MODBUSCARD/as/nbsp;: % nbsp;<a <br="" class="productLink">href="//www.tripplite.com/Pogrammable-Relay-I-O-Card-RELAYIOCARD/as/nbsp;      Network Monitoring Port Description    RS232 and contact closure communications are located on two separate DB9 ports      PowerAlert Software    For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at htp://www.tripplite.com/poweraler</a></a></a></a></a>	Battery Mode BTU / Hr. (Full Load)	1593
(100% Load)    947a      Operating Elevation (ft.)    0-3000m (0 to 10,000 ft.)      Audible Noise    60 dBA at front side 1 meter      Operating Elevation (m)    0 - 3000 m      COMMUNICATIONS    0 - 3000 m      Retwork Management Cards <a class="productLink" href="//www.tripplite.com/SNMP-Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~SNMPWEBCARD" productlink"="">SNMPWEBCARD_/a&gt; ;  <a class="productLink" href="//www.tripplite.com/Programmable-Relay-I-O-Card-UPS-Remote-Monitoring-Control~MODBUSCARD" productlink"="">MODBUSCARD/a&gt; ;  <a class="productLink" href="//www.tripplite.com/Programmable-Relay-I-O-Card-RELAYIOCARD">RELAYIOCARD</a>       Network Monitoring Port Description    RS232 and contact closure communications are located on two separate DB9 ports      PowerAlert Software    For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert</a></a>	Operating Elevation (ft.)	0-3000m (0 to 10,000 ft.)
COMMUNICATIONS      Network Management Cards <a class="productLink" href="//www.tripplite.com/SNMP-Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems-SNMPWEBCARD">SNMPWEBCARD      SmartOnline-UPS-Systems-SNMPWEBCARD"&gt;SNMPWEBCARD      Systems-TLNETCARD"&gt;TLNETCARD      Systems-TLNETCARD      WEBCARDLX      Anagement-Accessory-Card-SmartPro-SmartOnline-UPS-Systems-SNMPWEBCARD      Systems-TLNETCARD      Systems-TLNETCARD      Yet      Management-Accessory-Card-WEBCARDLX      Anagement-Accessory-Card-WEBCARDLX      Accessory-Card-WEBCARDLX      Anagement-Accessory-Card-UPS-Remote-Monitoring-Control-MODBUSCARD      Control-MODBUSCARD      Network Monitoring Port Description      RS232 and contact closure communications are located on two separate DB9 ports      PowerAlert Software      For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at <a href="http://www.tripplite.com/poweralert">http://www.tripplite.com/poweralert</a></a>	Audible Noise	60 dBA at front side 1 meter
Network Management Cards <a class="productLink" href="//www.tripplite.com/SNMP-Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~SNMPWEBCARD&lt;/a&gt;SNMPWEBCARD&lt;/a&gt;Santonline-UPS-Systems~SNMPWEBCARD&lt;/a&gt;SNMPWEBCARD&lt;/a&gt;Santonline-UPS-Systems~TLNETCARD">TLNETCARD"&gt;TLNETCARD</a> Santonline-UPS-Systems~TLNETCARD">TLNETCARDSantonline-UPS-Systems~TLNETCARD">TLNETCARDSantonline-UPS-Systems~TLNETCARD">TLNETCARDSantonline-UPS-Systems~TLNETCARD">TLNETCARDSantonline-UPS-Systems~TLNETCARD">TLNETCARDSantonline-UPS-Systems~TLNETCARD">TLNETCARDSantonline-UPS-Systems~TLNETCARD">TLNETCARDSantonline-UPS-Systems~TLNETCARD">TLNETCARDSantonline-UPS-Systems~TLNETCARD">TLNETCARDSantonline-UPS-Systems~TLNETCARD">TLNETCARDSantonline-UPS-Systems~TLNETCARD">TLNETCARDSantonline-UPS-Systems~TLNETCARD">TLNETCARDSantonline-UPS-Systems~TLNETCARD">TLNETCARDSantonline-UPS-Systems~TLNETCARDSantonline-UPS-Systems~TLNETCARDSantonline-UPS-Santonline-UPS-Systems~TLNETCARDSantonline-UPS-Santonline-UPS-Santonline-UPS-Systems~TLNETCARDSantonline-UPS-Santonline-UPS-Card-WEBCARDLXSantosp; & a class="productLink" href="//www.tripplite.com/MODBUSCARDSantonline-UPS-Remote-Monitoring-Control~MODBUSCARDSantonline-UPS-Remote-Monitoring-Control~MODBUSCARDSantonline-UPS-Remote-Monitoring-Control~MODBUSCARDSantonline-UPS-Remote-Monitoring-Control~MODBUSCARDSantonline-UPS-Remote-Monitoring-Control~MODBUSCARDSantonline-UPS-Remote-Monitoring-Control~MODBUSCARDSantonline-UPS-Remote-Monitoring-Control~MODBUSCARDSantonline-UPS-Remote-Monitoring-Control~MODBUSCARDSantonline-UPS-Remote-Monitoring-Control~MODBUSCARDSantonline-UPS-Remote-Monitoring-Control~MODBUSCARDSantonline-UPS-Remote-Monitoring-Control~MODBUSCARDSantonline-UPS-Remote-Monitoring-Control~MODBUSCARDSantonline-UPS-Remote-Monitoring-Control~RELAYIOCARDSantonline-UPS-Remote-MonitoringSantonline-UPS-Remote-Monitoring vis t	Operating Elevation (m)	0 - 3000 m
SmartOnline-UPS-Systems~SNMPWEBCARD">SNMPWEBCARDshbsp;; <a <="" class="productLink" td="">      href="//www.tripplite.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-      Systems~TLNETCARD"&gt;Systems~TLNETCARD      Systems~TLNETCARD      Management-Accessory-Card-WEBCARDLX      WEBCARDLX      Management-Accessory-Card-WEBCARDLX      Management-Accessory-Card-WEBCARDLX      Management-Accessory-Card-WEBCARDLX      Monagement-Accessory-Card-WEBCARDLX      Management-Accessory-Card-WEBCARDLX      Montoring-      Control-MODBUSCARD      MoDBUSCARD      Network Monitoring Port Description      RS232 and contact closure communications are located on two separate DB9 ports      PowerAlert Software      For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at <a href="http://www.tripplite.com/poweralert">http://www.tripplite.com/poweralert</a></a>	COMMUNICATIONS	
PowerAlert Software For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert	Network Management Cards	SmartOnline-UPS-Systems~SNMPWEBCARD">SNMPWEBCARD ; <a <br="" class="productLink">href="//www.tripplite.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS- Systems~TLNETCARD"&gt;TLNETCARD</a> ; <a class="productLink" href="//www.tripplite.com/Web-&lt;br&gt;Management-Accessory-Card-WEBCARDLX">WEBCARDLX</a> ; <a class="productLink" href="//www.tripplite.com/Web-&lt;br&gt;Management-Accessory-Card-WEBCARDLX">WEBCARDLX</a> Management-Accessory-Card-WEBCARDLX">WEBCARDLX Monagement-Accessory-Card-WEBCARDLX">WEBCARDLX Monagement-Accessory-Card-WEBCARDLX">WEBCARDLX Monagement-Accessory-Card-WEBCARDLX">WEBCARDLX Monagement-Accessory-Card-WEBCARDLX">WEBCARDLX Monagement-Accessory-Card-WEBCARDLX">WEBCARDLX Monagement-Accessory-Card-WEBCARDLX">WEBCARDLX Monagement-Accessory-Card-WEBCARDLX">WEBCARDLX Monagement-Accessory-Card-WEBCARDLX">WEBCARDLX Monagement-Accessory-Card-WEBCARDLX">WEBCARDLX Monagement-Accessory-Card-WEBCARDLX">WEBCARDLX Monagement-Accessory-Card-WEBCARDLX">WEBCARDLX Monagement-Accessory-Card-WEBCARDLX">WEBCARDLX Monagement-Accessory-Card-WEBCARDLX" MODBUSCARD
http://www.tripplite.com/poweralert	Network Monitoring Port Description	RS232 and contact closure communications are located on two separate DB9 ports
Communications Cable DB9 cable included	PowerAlert Software	
	Communications Cable	DB9 cable included



Communications Interface	DB9 Serial; Contact closure; EPO (emergency power off); Slot for SNMP/Web interface
LINE / BATTERY TRANSFER	
Transfer Time	No transfer time (0 ms.) in online, double-conversion mode
Transfer Time (Economy Mode)	Less than 1ms typical power failure response in optional economy mode
Low Voltage Transfer to Battery Power (Setpoint)	156
High Voltage Transfer to Battery Power (Setpoint)	276
SPECIAL FEATURES	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Automatic inverter bypass; Hot swappable batteries
Green Energy-Saving Features	High efficiency economy mode operation; Schedulable daily hours of economy mode operation
STANDARDS & COMPLIANCE	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); CE; Tested to GOST (Russia); Tested to SASO (Saudi Arabia); Tested to IRAM (Argentina); Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances)
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 <a class="insuranceLink" href="//www.tripplite.com/support/insurance-policy">Ultimate Lifetime Insurance</a>

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