

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

# SmartPro 120V 3kVA 2.4kW Line-Interactive UPS, Tower, Extended Run, 3 DB9 ports

# MODEL NUMBER: SMART3000NET





### Description

Tripp Lite's SMART3000NET intelligent, line interactive large tower UPS system protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 23 minutes half load runtime and 7 minutes fully loaded. Runtime is expandable with optional BP24V28-2U (limit 1) and BP24V70-3U (multi-pack compatible) external battery packs. 3000VA/2400 watt power handling capability supports a variety of networking, telecom and other sensitive electronic applications. Includes 8 protected outlets. Supports remote monitoring of UPS and site power conditions via built-in RS-232 enabled monitoring port, plus standard UPS monitoring via 2 built in contact closure ports. PowerAlert UPS monitoring software is available for free download. Built-in audible alarm and front panel LEDs indicate line power, battery power, battery charge level, load level and voltage regulation status. Network grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges.

#### Features

- SMART 3000NET line interactive UPS offers battery derived AC output during power outages, voltage regulation during brownouts and overvoltages, plus network-grade AC surge suppression
- 3000VA/2400 watt power handling capability supports a variety of networking, telecom and other sensitive electronic devices
- Large internal batteries offer runtimes of 23 minutes at half load (1500VA/1200 watts) and 7 minutes at full load (3000VA/2400 watts)
- Runtime is further expandable with optional external BP24V28-2U (limit 1) and BP24V70-3U (multi-pack compatible) battery packs
- Intelligent battery management system extends battery life
- Automatic Voltage Regulation (AVR) circuits maintain 120V nominal output over an input voltage range of 87-140V

## Highlights

- 3kVA / 3000VA / 2400W line interactive, extended-run tower UPS
- 120V output, Corrects brownouts and overvoltages from 87V to 140V
- 3 DB9 ports (1 RS232 / 2 contact-closure)
- Front panel status LEDs with load and battery capacity display
- 2 independently switchable output load banks
- NEMA L5-30P input; 4 NEMA 5-15/20R & 4 NEMA 5-15R outlets

#### **Package Includes**

- SMART 3000NET UPS System
- 3 DB9 network cables
- Instruction manual



- Includes 8 fully protected outlets (4 NEMA 5-15R & 4 NEMA 5-15/20R) with 2 single outlet load banks that can be individually powered off and back on again via software interface
- PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, email notification, event logging and running user defined script commands
- Offers simultaneous monitoring of up to 3 directly connected devices through included DB9 contact closure and RS-232 enabled interfaces, or the monitoring of any number of additional servers over IP with PowerAlert UPS monitoring software (available for free download at <u>www.tripplite.com/poweralert</u>)
- In addition to the contact closure monitoring of on battery, low battery and power restored messaging, built-in RS-232 interface supports messaging of UPS and line power status, including AC line voltage, DC battery voltage and remaining battery capacity
- Supports activate self-test and UPS output power control for delayed or immediate reboot of connected equipment
- Diagnostic LEDs (indicate 17 performance conditions)

# **Specifications**

| OVERVIEW                           |                                     |  |  |
|------------------------------------|-------------------------------------|--|--|
| UPC Code                           | 037332032065                        |  |  |
| UPS Type                           | Line-Interactive                    |  |  |
| INPUT                              |                                     |  |  |
| Rated input current (Maximum Load) | 22A                                 |  |  |
| Nominal Input Voltage(s) Supported | 120V AC                             |  |  |
| UPS Input Connection Type          | L5-30P                              |  |  |
| UPS Input Cord Length (ft.)        | 8                                   |  |  |
| UPS Input Cord Length (m)          | 2.4                                 |  |  |
| Recommended Electrical Service     | 30A 120V                            |  |  |
| Input Phase                        | Single-Phase                        |  |  |
| OUTPUT                             |                                     |  |  |
| Output Volt Amp Capacity (VA)      | 3000                                |  |  |
| Output kVA Capacity (kVA)          | 3                                   |  |  |
| Output Watt Capacity (Watts)       | 2400                                |  |  |
| Output kW Capacity (kW)            | 2.4                                 |  |  |
| Power Factor                       | 0.8                                 |  |  |
| Nominal Voltage Details            | 120v nominal output in battery mode |  |  |
| Frequency Compatibility            | 60 Hz                               |  |  |



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| Output Voltage Regulation (Line<br>Mode)     -13% / +5%       Output Voltage Regulation (Battery<br>Mode)     + -5%       Laad Management Receptades     Two switchable single-outlet 5-15R load banks       Output Circuit Wreders     15.b branch rated (x2) - oach breaker protects 4 outlets       Output AC Waveform (AC Mode)     Sine wave       Output AC Waveform (Battery<br>Mode)     PWM sine wave       Output Capacity Details     Output is reduced to 1600W maximum with 1 external battery pack and 1200W maximum with 2 or more external<br>battery packs       Nominal Output Voltage(s)     110V: 115V: 120V       Output Receptacles     (4) 5-15F. (4) 5-15/20R       Individually Controllable Load Bank     Yes <b>EXTERY</b> Full Cadd Runtime (min.)       Full Load Runtime (min.)     21 min. (2400w)       Half Load Runtime (min.)     23 min. (1200w)       Expandable Battery Runtime     Extended runtime supported via optional external battery packs       Disperied Regulation Output Voltage (VDC)     24       Battery Rochinge Rate (Included     Extended runtime supported via optional external battery pack select Tripp-Lite.UPS-Systems-BP24/V70-3U-3BP24/V73-2U-3BP24/V23-2U-3BP24/V23-2U-3BP24/V23-2U-3BP24/V23-2U-3BP24/V23-2U-3BP24/V23-2U-3BP24/V23-2U-3BP24/V23-2U-3BP24/V23-2U-3BP24/V23-2U-3BP24/V23-2U-3BP24/V23-2U-3BP24/V23-2U-3BP24/V23-2U-3BP24/V23-2U-3BP24/V23-  |                                      |   |
|---|--------------------------------------|---|
| Mode     Mode       Land Management Receptales     Two switchable single-outlet 5-15R load banks       Output Circuit Breakers     15A branch rated (x2) - each breaker protects 4 outlets       Output AC Waveform (AC Mode)     Sine wave       Output AC Waveform (Battery     PWM sine wave       Output AC Waveform (Battery     PWM sine wave       Output Capacity Details     Output is reduced to 1600W maximum with 1 external battery pack and 1200W maximum with 2 or more external battery pack       Nominal Output Voltage(s)     110V; 115V; 120V       Output Capacity Details     (4) 5-15R; (4) 5-15/20R       Indvidually Controllable Load Banks     Yes       BATTERY     Full Load Runtime (min.)       Full Load Runtime (min.)     7 min. (2400w)       Extended untime supported via optional external battery packs     Trops. Lead-V-2U-Rack-Tower-Battery-Pack-select-Trips-Lise-UPS-Systems-BP24V28.2U -BP24V28.2U -BP24  |                                      | -13% / +5%  |
| Output Circuit Breakers     15A branch rated (x2) - each breaker protects 4 outlets       Output AC Waveform (AC Mode)     Sine wave       Output AC Waveform (Battery     PWM sine wave       Output Capacity Details     Output is reduced to 1600W maximum with 1 external battery pack and 1200W maximum with 2 or more external battery packs       Nominal Output Voltage(s)     110V; 115V; 120V       Output Receptacles     (4) 5-15R; (4) 5-15/20R       Individually Controllable Load Banks     Yes       Battery Pack     Yes       Full Load Runtime (min.)     7 min. (2400w)       Expandable Battery Runtime     Extended runtime supported via optional external battery packs       External Battery Pack Compatibility     Stribugy: cal dasa Productink* Med-7/20V-21/4-ask. Tower-Battery-Pack-salety. Tripp-Tel-7/20V-30V-28/24V-28-21/4-28/24V-28-21/4-ask. Tower-Battery-Pack-salety. Tripp-Lite-UPS-Systems-PB24V70-30V-30V-28/24V-28-21/4-28/24V-28  |                                      | +/- 5%  |
| Output AC Waveform (AC Mode)     Sine wave       Output AC Waveform (Battery<br>Mode)     PWM sine wave       Output Capacity Details     Output is reduced to 1600W maximum with 1 external battery pack and 1200W maximum with 2 or more external<br>battery packs       Nominal Output Voltage(s)     110V: 115V; 120V       Output Receptacles     (4) 5-15R; (4) 5-15/20R       Individually Controllable Load Banks     Yes       BATTERY     Full Load Runtime (min.)       7 min. (2400w)     23 min. (1200w)       Halt Load Runtime (min.)     7 min. (2400w)       External Battery Pack Compatibility     Extended runtime supported via optional external battery packs       External Battery Pack Compatibility     Mategics alass="productink" https://www.tinpilite.com/External/24/V-2U-Rack-Tower-Battery-Pack-salect-Tripp-<br>Cases-proto-ULPA"       DC System Voltage (VDC)     24       Battery Recharge Rate (Included<br>Battery Recharge Rate (Included<br>Coveroitage Correction     Less than 9 hours from 10% to 90% (typical, full load discharge)       Voltage Recurrention     Input voltages between 127 and 140 are reduced by 12%       Voltage Correction     Input voltages between 95 and 105 are boosted by 12%       Severe Undervoitage Correction     In  | Load Management Receptacles          | Two switchable single-outlet 5-15R load banks   |
| Output AC Waveform (Battery<br>Mode)     PWM sine wave       Output Capacity Details     Output is reduced to 1600W maximum with 1 external battery pack and 1200W maximum with 2 or more external<br>battery packs       Nominal Output Voltage(s)     110V; 115V; 120V       Output Recortacles     (4) 5-15R; (4) 5-15/20R       Individually Controllable Load Banks     Yes       BATTERY     Full Load Runtime (min.)       Full Load Runtime (min.)     7 min. (2400w)       Haft Load Runtime (min.)     23 min. (1200w)       External Battery Pack Compatibility     Anbep.va class="product.ink" href="//www.tripplic.com/External-24V-2U-Rack-Tower-Battery-Pack-select.Tripp-<br>Line-UPS-Systems-BP2AV/26-2U-SeP2AV/26-2U-26-Senbep. (Imit 1), 8 mbsp.va class="product.ink"<br>bU-BP2AV70-3U-43>-8 mbsp. (Imit 1), 8 mbsp.va class==  | Output Circuit Breakers              | 15A branch rated (x2) - each breaker protects 4 outlets   |
| Mode)     Privin sine wave       Output Capacity Details     Output is reduced to 1600W maximum with 1 external battery pack and 1200W maximum with 2 or more external battery packs       Nominal Output Voltage(s)     110V; 115V; 120V       Output Receptacles     (4) 5-15R; (4) 5-15/20R       Individually Controllable Load Banks     Yes       BATTERY     7 min. (2400w)       Half Load Runtime (min.)     7 min. (2400w)       External Battery Runtime     Extended runtime supported via optional external battery packs       External Battery Pack Compatibility     Anbergy-a class="productLink" Intef="//www.tripplite.com/External-24V-2U-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V7D-3U-SP24V28-2U-SP24V2  | Output AC Waveform (AC Mode)         | Sine wave   |
| Nominal Output Voltage(s)<br>Supported     Interv packs       Nominal Output Voltage(s)<br>Supported     (4) 5-15R; (4) 5-15/20R       Output Receptacles     (4) 5-15R; (4) 5-15/20R       Individually Controllable Load Banks     Yes       BATTERY     7 min. (2400w)       Half Load Runtime (min.)     7 min. (2400w)       Expandable Battery Runtime     Extended runtime supported via optional external battery packs       External Battery Pack Compatibility     Sanise, 'a class=s' productLink' href='//www.tinppite.com/External-24V-2U-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BaP24V28-2U-B24V28-2U-SP2   |                                      | PWM sine wave   |
| Supported   1100, 1130, 1200     Output Receptacles   (4) 5-15R; (4) 5-15/20R     Individually Controllable Load Banks   Yes     BATTERY     Full Load Runtime (min.)   7 min. (2400w)     Half Load Runtime (min.)   23 min. (1200w)     Expandable Battery Runtime   Extended runtime supported via optional external battery packs     External Battery Pack Compatibility   Anbagy-a class="product_Ink" href="//www.tripplite.com/External-24V-2U-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V28-2U-BP24V28-2U-'sa-Sanbap; (limit 1); &nbagy-a class="product_Ink" htef="//www.tripplite.com/External-24V-2U-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V28-2U-'sa-Sanbap; (limit 1); &nbagy-a class="product_Ink" htef="//www.tripplite.com/External-24V-2U-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V78-2U-BP24V78-2U-'sa-Sanbap; (limit 1); &nbagy-a class="product_Ink" htef="//www.tripplite.com/External-24V-28-2U-'sa-Sanbap; (limit 1); &nbagy-a class="product_Ink" htef="//www.tripplite.com/External-24V-28-2U-sa-Sanbap; (limit 1); &nbagy-a class="product_Ink" htef="//www.tripplite.com/External  | Output Capacity Details              |   |
| Individually Controllable Load Banks   Yes     BATTERY     Full Load Runtime (min.)   7 min. (2400w)     Half Load Runtime (min.)   23 min. (1200w)     Expandable Battery Runtime   Extended runtime supported via optional external battery packs     External Battery Pack Compatibility   Extended runtime supported via optional external battery packs     External Battery Pack Compatibility   Extended runtime supported via optional external-24V-2U-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V28-2U-3P24V28-2U/a>Robsp: (Imit 1): & Robsp:-a class="productLink" href="//www.tripplite.com/External-24V-2U-Rack-select-Tripp-Lite-UPS-Systems-BP24V70-3U-(a> : (Imit 1): & Robsp:-a class="productLink" href="//www.tripplite.com/External-24V-2U-Rack-select-Tripp-   |                                      | 110V; 115V; 120V  |
| BATTERY     Full Load Runtime (min.)   7 min. (2400w)     Half Load Runtime (min.)   23 min. (1200w)     Expandable Battery Runtime   Extended runtime supported via optional external battery packs     External Battery Pack Compatibility    :raciase="product.ink" href="//www.trippite.com/External-24V-2U-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-Bross-ahsps; (limit 1);  :ca class="product.ink" href="//www.trippite.com/External-24V-3U-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V/70-3U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-BP24V/28-2U's-Bross-ahsps; (limit 1);  :ca class="product.ink" href="//www.trippite.com/External-24V-3U-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U's-BP24   | Output Receptacles                   | (4) 5-15R; (4) 5-15/20R   |
| Full Load Runtime (min.)   7 min. (2400w)     Half Load Runtime (min.)   23 min. (1200w)     Expandable Battery Runtime   Extended runtime supported via optional external battery packs     External Battery Pack Compatibility   &hbsp:ca class="productLink" href="//www.rippitie.com/External-24V-2U-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V78-2U-SP24V20-SU-SP24V70-3U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V70-3U-SP24V70-3U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V28-2U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-3U-SP24V70-SU-SP24V70-SU-SP24V20-SU-SP24V70-SU-SP24V70-SU-SP24V20-SU-SP24V20-SU-SP24V20-SU-SP24V20-SU-SP24V20-SU-SP24V20-SU-SP24V20-SU-SP24V20-SU-SP24V20-SU-SP24V20-SU-SP24   | Individually Controllable Load Banks | Yes   |
| Half Load Runtime (min.)   23 min. (1200w)     Expandable Battery Runtime   Extended runtime supported via optional external battery packs     External Battery Pack Compatibility    :>ca class="productLink" href="//www.tipplite.com/External-24V-2U-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V28-2U-BP24V28-2U-23-Zahbsp: (limit 1):  :-ca class="productLink" href="//www.tipplite.com/External-24V-2U-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U-SP24V28-2U-23-Zahbsp: (limit 1):  :-ca class="productLink" href="//www.tipplite.com/External-24V-2U-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U-BP24V28-2U-3D-Sattery-BP24V28-2U-23-Zahbsp: (limit 1):  :-ca class="productLink" href="//www.tipplite.com/External-24V-2U-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U-SP24V28-2U-3D-Sattery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U-SP24V28-2U-3D-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U-SP24V28-2U-3D-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U-SP24V28-2U-3D-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U-SP24V28-2U-3D-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U-SP24V28-2U-3D-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U-SP24V28-2U-3D-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U-SP24V70-3U-SP24V28-2U-3D-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U-SP24V28-2U-3D-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U-SP24V70-3U-SP24V28-2U-3D-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U-SP24V28-2U-3D-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U-SP24V70-3U-SP24V28-2U-3D-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U-SP24V28-2U-3D-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U-SP24V70-3U-SP24V28-2U  | BATTERY                              |   |
| Expandable Battery Runtime     Extended runtime supported via optional external battery packs       External Battery Pack Compatibility      : <a class="productLink" href="//www.tripplite.com/External-24V-3U-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U" productlink"="">BP24V70-3U"&gt;BP24V28-2U-/a&gt;  (limit 1);  : <a class="productLink" href="//www.tripplite.com/External-24V-3U-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-3U">BP24V70-3U"&gt;BP24V70-3U"&gt;BP24V70-3U"&gt;BP24V70-3U"&gt;BP24V70-3U"&gt;BP24V70-3U     DC System Voltage (VDC)   24     Battery Recharge Rate (Included Batteries)   Less than 9 hours from 10% to 90% (typical, full load discharge)     Expandable Runtime   Yes     VoLTAGE REGULATION   Voltage Regulation Description     Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 87 to 140     Overvoltage Correction   Input voltages between 127 and 140 are reduced by 12%     Undervoltage Correction   Input voltages between 95 and 105 are boosted by 10%     Severe Undervoltage Correction   Input voltages between 87 and 94 are boosted by 22%</a></a>  | Half Load Runtime (min.)             | 23 min. (1200w)   |
| Lite-UPS-Systems-BP24V28-2U-BP24V28-2U/SBP24V28-2U/SBP24V28-2U/SBP24V70-3U/SBP24V70-SBP24V70-3U/SBP24V70-SBP24V70-SBP24V70-3U/SBP24V70-SBP24V70-SBP24V70-SB | Expandable Battery Runtime           | Extended runtime supported via optional external battery packs  |
| Battery Recharge Rate (Included Batteries)   Less than 9 hours from 10% to 90% (typical, full load discharge)     Expandable Runtime   Yes     VOLTAGE REGULATION     Voltage Regulation Description   Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 87 to 140     Overvoltage Correction   Input voltages between 127 and 140 are reduced by 12%     Undervoltage Correction   Input voltages between 95 and 105 are boosted by 10%     Severe Undervoltage Correction   Input voltages between 87 and 94 are boosted by 22%     USER INTERFACE, ALERTS & CONTROLS  | External Battery Pack Compatibility  | Lite-UPS-Systems-BP24V28-2U~BP24V28-2U">BP24V28-2U  (limit 1); <a <br="" class="productLink">href="//www.tripplite.com/External-24V-3U-Rack-Tower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP24V70-</a> |
| Batteries)   Cess than 9 hours from 10% to 90% (typical, full load discharge)     Expandable Runtime   Yes     VoltAGE REGULATION   Voltage Regulation Description     Voltage Regulation Description   Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 87 to 140     Overvoltage Correction   Input voltages between 127 and 140 are reduced by 12%     Undervoltage Correction   Input voltages between 95 and 105 are boosted by 10%     Severe Undervoltage Correction   Input voltages between 87 and 94 are boosted by 22%   | DC System Voltage (VDC)              | 24  |
| VOLTAGE REGULATION     Voltage Regulation Description   Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 87 to 140     Overvoltage Correction   Input voltages between 127 and 140 are reduced by 12%     Undervoltage Correction   Input voltages between 95 and 105 are boosted by 10%     Severe Undervoltage Correction   Input voltages between 87 and 94 are boosted by 22%     USER INTERFACE, ALERTS & CONTROLS   |                                      | Less than 9 hours from 10% to 90% (typical, full load discharge)  |
| Voltage Regulation Description   Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 87 to 140     Overvoltage Correction   Input voltages between 127 and 140 are reduced by 12%     Undervoltage Correction   Input voltages between 95 and 105 are boosted by 10%     Severe Undervoltage Correction   Input voltages between 87 and 94 are boosted by 22%     USER INTERFACE, ALERTS & CONTROLS  | Expandable Runtime                   | Yes   |
| Overvoltage Correction   Input voltages between 127 and 140 are reduced by 12%     Undervoltage Correction   Input voltages between 95 and 105 are boosted by 10%     Severe Undervoltage Correction   Input voltages between 87 and 94 are boosted by 22%     USER INTERFACE, ALERTS & CONTROLS  | VOLTAGE REGULATION                   |   |
| Undervoltage Correction   Input voltages between 95 and 105 are boosted by 10%     Severe Undervoltage Correction   Input voltages between 87 and 94 are boosted by 22%     USER INTERFACE, ALERTS & CONTROLS   | Voltage Regulation Description       | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 87 to 140  |
| Severe Undervoltage Correction Input voltages between 87 and 94 are boosted by 22%   USER INTERFACE, ALERTS & CONTROLS  | Overvoltage Correction               | Input voltages between 127 and 140 are reduced by 12%   |
| USER INTERFACE, ALERTS & CONTROLS   | Undervoltage Correction              | Input voltages between 95 and 105 are boosted by 10%  |
|   | Severe Undervoltage Correction       | Input voltages between 87 and 94 are boosted by 22%   |
| Switches  | USER INTERFACE, ALERTS & CON         | TROLS   |
| switches 22 Switches control on/on power status and alam-cancel/self-test operation, set of 4 real-panel switches control system enable and contact closure port inverter shutoff commands  | Switches                             | 2 Switches control off/on power status and alarm-cancel/self-test operation; set of 4 rear-panel switches control system enable and contact closure port inverter shutoff commands                        |
| Alarm Cancel Operation Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status  | Alarm Cancel Operation               |   |
| Audible Alarm Audible alarm indicates power-failure and low-battery conditions  | Audible Alarm                        | Audible alarm indicates power-failure and low-battery conditions  |
| LED Indicators 5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status   | LED Indicators                       | 5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status  |



| SURGE / NOISE SUPPRESSION                |   |  |
|--|---|--|
| UPS AC Suppression Joule Rating          | 480   |  |
| UPS AC Suppression Response<br>Time      | Instantaneous   |  |
| EMI / RFI AC Noise Suppression           | Yes   |  |
| PHYSICAL                                 |   |  |
| Cooling Method                           | Fan   |  |
| Primary Form Factor                      | Tower   |  |
| Primary UPS Depth (mm)                   | 318   |  |
| Primary UPS Height (mm)                  | 432   |  |
| Primary UPS Width (mm)                   | 229   |  |
| Shipping Dimensions (hwd / cm)           | 41.91 x 32.00 x 55.37   |  |
| Shipping Dimensions (hwd / in.)          | 16.50 x 12.60 x 21.80   |  |
| Shipping Weight (kg)                     | 43.82   |  |
| Shipping Weight (lbs.)                   | 96.60   |  |
| UPS Housing Material                     | PVC   |  |
| UPS Power Module Dimensions<br>(hwd, cm) | 43.18 x 22.86 x 31.75   |  |
| UPS Power Module Dimensions (hwd, in.)   | 17 x 9 x 12.5   |  |
| UPS Power Module Weight (kg)             | 40.37   |  |
| UPS Power Module Weight (lbs.)           | 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)            | 83  |  |
| Battery Mode BTU / Hr. (Full Load)       | 1225  |  |
| AC Mode Efficiency Rating (100% Load)    | 99%   |  |
| COMMUNICATIONS                           |   |  |
| Network Monitoring Port Description      | Supports detailed monitoring of UPS and site power conditions; contact closure communications via two additional DB9 ports (3 total)          |  |
| PowerAlert Software                      | For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at<br>http://www.tripplite.com/poweralert |  |
| Communications Cable                     | 3 DB9 cables included   |  |



| Communications Interface                                       | Contact closure; DB9 Serial   |
|--|---|
|  |   |
| LINE / BATTERY TRANSFER  |   |
| Transfer Time  | 4 ms. typical   |
| Low Voltage Transfer to Battery<br>Power (Setpoint)            | 87  |
| High Voltage Transfer to Battery<br>Power (Setpoint)           | 140   |
| SPECIAL FEATURES   |   |
| Cold Start (Startup in Battery Mode<br>During a Power Failure) | Cold-start operation supported  |
| STANDARDS & COMPLIANCE   |   |
| UPS Certifications   | Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances); Tested to CSA (Canada); Tested to NOM (Mexico); Tested to UL1778 (USA)  |
| WARRANTY   |   |
| Product Warranty Period<br>(Worldwide)                         | 2-year warranty, 3 year with registration. Note: <a <br="" class="insuranceLink">href="//www.tripplite.com/support/product-warranty-registration"&gt;Registration is required</a> for 3-year<br>warranty. |
| Connected Equipment Insurance<br>(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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