



**Tripp Lite**  
1111 West 35th Street  
Chicago, IL 60609 USA  
Telephone: +(773) 869 1234  
E-mail: [saleshelp@tripplite.com](mailto:saleshelp@tripplite.com)

## Model #: SMART3000VS

### SmartPro Expandable Tower UPS System - Intelligent, line-interactive network power management system



#### Highlights

- 3000VA / 3kVA line interactive, extended-run tower UPS
- Maintains 120V nominal output over an input range of 79 to 147V
- Network communications supported via 2 USB ports, 2 serial ports, SNMP/Web card slot and EPO interface
- Current monitoring and switched PDU control via 3 two-outlet load banks
- Input: L5-30P (120V 30A) / Output: 1 L5-30R, 2 NEMA 5-15/20R, 7 NEMA 5-15R (120V)
- 2 year product warranty / \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)

#### Description

Tripp Lite's SMART 3000VS intelligent, line interactive UPS with expandable runtime protects server, networking and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Small footprint, tower UPS system occupies only 106 square inches of floorspace with a height of only 14.25 inches. Large capacity 3000 VA/2250 watt rated UPS system offers 4 minutes runtime at full load and 14 minutes at half load during power failures. Runtime is expandable with optional external battery packs. Line interactive voltage regulation corrects brownouts as low as 79V and overvoltages as high as 147V to fully regulated 120V nominal output for smooth continuous operation of connected equipment. Includes a total of 10 outlets, 3 of which can be individually powered off and back on via software interface to selectively reboot remote equipment or shed less critical loads to extend battery runtime for more critical loads. Includes slot for internal SNMPWEBCARD, plus 2 DB9 and 2 USB enhanced monitoring ports for unattended shutdown, remote control and monitoring of UPS system and power data. Ships in attractive gray color scheme. Compatible with Tripp Lite's PowerAlert and Watchdog service software. 2 year warranty. \$250,000 [connected equipment insurance](#).

#### Package Includes

- SMART 3000VS UPS System, PowerAlert Software and cabling, Warranty information, Instruction manual

#### Features

- 3000VA/2250 watt output capacity accommodates a variety of server, networking and telecom devices
- High power density 3kVA UPS system occupies only 106 square inches of floorspace with a height of only 14.25 inches
- Compatible with North American 120V/60 Hz power as found in the USA, Canada and Mexico
- Offers 4 minutes runtime with a full load of 3000VA and 14 minutes with a half load of 1500VA
- Runtime is expandable with BP48V24-2U (limit 1) or BP48V60RT3U (multi-pack compatible) external battery packs
- Line interactive voltage regulation corrects severe brownouts and overvoltages from 79 to 147v back to normal 120v levels without using battery power
- 10 total outlets (7 NEMA5-15R; 2 NEMA5-15/20R; 1 L5-30R)
- Includes NEMA L5-30P locking 30 amp input plug connection
- Notification of system status via 5 LEDs and multi-function audible alarms
- Included PowerAlert Software provides e-mail notification of power problems and the simultaneous automatic unattended shutdown of multiple servers
- 4 built-in communications ports (2-DB9, 2-USB) for remote monitoring and unattended shutdown
- Slot for SNMP/web card (part#: SNMPWEBCARD) and environmental sensor (part#: ENVIROSENSE) for remote communications in large IP environments

- Supports Tripp Lite's WatchDog software application to restore unresponsive programs by automatically restarting them and rebooting completely locked computers by automatically switching UPS power off and back on again
- Communication ports support on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, internal UPS temperature and line frequency status messaging. Interface supports timed inverter shutoff after unattended shutdown, activate self-test and 10 second reboot of connected equipment
- 3 individual customized load management receptacles can be individually powered off and back on again via software interface to reboot remote equipment or perform "load shedding" of less critical loads to extend battery runtime for the most critical equipment
- Built-in Emergency Power Off (EPO) interface supports emergency shutoff in large facilities
- Hot-swappable/user replaceable batteries allow on-site battery replacement without powering off connected equipment
- UPS battery set ships fully assembled and ready for use, no time consuming, connection of individual internal batteries by user is necessary
- UL (USA), cUL (Canada), NOM (Mexico), FCC Class A
- \$250,000 [Ultimate Lifetime Insurance](#). No warranty cards required for coverage!
- 2 year manufacturer's product warranty

## Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	3000
Output kVA capacity (kVA)	3
Output Watt Capacity (watts)	2250
Output kW capacity	2.2
Output power factor	0.8
Output Capacity Details	Output de-rates to 1600 watts with external battery packs connected
Nominal Output Voltage(s) Supported	120v
Frequency compatibility	60 Hz
Output voltage regulation (line mode)	-18% / +8%
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	7 5-15R outlet(s); 2 5-15/20R outlet(s); 1 L5-30R outlet(s)
Built-in controllable switched load banks	Three switchable two-outlet 5-15R load banks
Output circuit breaker	20A branch rated (x2) - breaker 1 protects 5-20R, breaker 2 protects 5-15R, L5-30R is unbrokened
Basic PDU options	<a href="#">PDU2430</a> (1U / 24 5-15R outlets)
Metered PDU options	<a href="#">PDUMV30</a> (0U / 24 5-15/20R outlets)
Switched PDU options	<a href="#">PDUMV30NET</a> (0U / 24 5-15/20R outlets)
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	PWM sine wave
INPUT	
Rated input current (at maximum load)	24A

Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	L5-30P
Input circuit breaker	30A
UPS Input cord length (ft.)	8
UPS Input cord length (m)	2.4
Recommended Electrical Service	120V 30A
<b>BATTERY</b>	
Full load runtime (minutes)	4 min. (2250w)
Half load runtime (minutes)	14 min. (1125w)
Expandable battery runtime	Extended runtime supported via optional external battery packs
External battery pack compatibility	<a href="#">BP48V24-2U</a> (limit 1); <a href="#">BP48V60RT3U</a> (multi-pack compatible)
DC system voltage (VDC)	48
Battery recharge rate (included batteries)	Less than 4 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	<a href="#">RBC54</a>
Battery Access	Battery access door
Battery replacement description	Hot-swappable, user replaceable batteries
<b>VOLTAGE REGULATION</b>	
Voltage regulation description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 79V to 147V
Overvoltage correction	Input voltages between 128 and 147 are reduced by 12%
Undervoltage correction	Input voltages between 95 and 104 are boosted by 12%
Severe undervoltage correction	Input voltages between 79 and 94 are boosted by 24%
<b>LEDS ALARMS &amp; SWITCHES</b>	
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
Alarms	Audible alarm indicates power-failure, overload and low-battery conditions
Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC suppression joule rating	480

UPS AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
<b>PHYSICAL</b>	
Installation form factors supported with included accessories	Tower
Primary form factor	Tower
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	14.2 x 9.2 x 12
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	36.2 x 23.5 x 30.5
Installed whole system dimensions in secondary form factor (height x width x depth / inches)	
UPS dimensions in secondary form factor (height x width x depth / cm)	
UPS / Power Module weight (lbs)	59
UPS / Power Module weight (kg)	26.8
Stepdown transformer dimensions (height x width x depth / inches)	
Stepdown transformer dimensions (height x width x depth / cm)	
Included battery pack dimensions (height x width x depth / inches)	
Included battery pack dimensions (height x width x depth / cm)	
UPS Shipping dimensions (height x width x depth / inches)	16 x 14.8 x 19.8
UPS Shipping dimensions (height x width x depth / cm)	40.6 x 37.5 x 50.2
Shipping weight (lbs)	66
Shipping weight (kg)	30
UPS housing material	Polycarbonate
Cooling method	Fan
<b>ENVIRONMENTAL</b>	

<b>Operating Temperature Range</b>	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
<b>Storage Temperature Range</b>	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
<b>Relative Humidity</b>	0 to 95%, non-condensing
<b>AC mode BTU / hr. (full load)</b>	488.3
<b>Battery mode BTU / hr. (full load)</b>	1143.1
<b>Audible Noise</b>	Audible Noise < 47dBA At Front Side 1 Meter
<b>COMMUNICATIONS</b>	
<b>Network monitoring port description</b>	Supports detailed monitoring of UPS and site power conditions
<b>PowerAlert software</b>	Included
<b>Communications cable</b>	2 USB and 2 DB9 cables included
<b>WatchDog compatibility</b>	Supports Watchdog application, OS and hard-reboot restart options for remote applications
<b>LINE / BATTERY TRANSFER</b>	
<b>Transfer time</b>	2-4 milliseconds
<b>Low voltage transfer to battery power (setpoint)</b>	79
<b>High voltage transfer to battery power (setpoint)</b>	147
<b>SPECIAL FEATURES</b>	
<b>Cold Start (startup in battery mode during a power failure)</b>	Cold-start operation supported
<b>High availability UPS features</b>	Hot swappable batteries
<b>Green &amp; high efficiency features</b>	Individually controllable load banks
<b>CERTIFICATIONS</b>	
<b>UPS Certifications</b>	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI); ROHS (Reduction of Hazardous Substances)
<b>WARRANTY</b>	
<b>Product Warranty Period (U.S., Canada &amp; Puerto Rico)</b>	2 years
<b>Connected Equipment Insurance (U.S., Canada &amp; Puerto Rico)</b>	\$250,000 connected equipment insurance

## Related Items

### Optional Products

Product Type	Related Model	Description	Qty.
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Power Distribution	<a href="#">PDU1220</a>	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
Power Distribution	<a href="#">PS7224-20</a>	Tripp Lite Power Strip - Multiple outlets wherever you need them	-
Power Distribution	<a href="#">PDU2430</a>	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
SNMP Accessories	<a href="#">SNMPWEBCARD</a>	For remote monitoring and control via SNMP, Web, or Telnet.	-
SNMP Accessories	<a href="#">ENVIROSENSE</a>	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	-
USB Hubs/Accessories	<a href="#">U022-010</a>	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	-
Software	<a href="#">WATCHDOGSW</a>	WatchDog Service Monitoring / Reboot Software	-
Surge Protectors	<a href="#">DTEL2</a>	Network Surge Suppressor - Essential protection for data and communication lines	-
Surge Protectors	<a href="#">DCATV</a>	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	-
Surge Protectors	<a href="#">DNET1</a>	Network Surge Suppressor - Essential protection for data and communication lines	-
External Battery Packs	<a href="#">BP48V24-2U</a>	BP48V242U - External Battery Pack for UPS System	-
Extended Warranties	<a href="#">WEXT3-2200-3000</a>	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA	-
Extended Warranties	<a href="#">WEXT5-2200-3000</a>	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA or less	-
External Battery Packs	<a href="#">BP48V60RT-3U</a>	External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector	-

More information, including related products, owner's manuals, and additional technical specifications, can be found online at [www.tripplite.com/en/products/model.cfm?txtModelID=2721](http://www.tripplite.com/en/products/model.cfm?txtModelID=2721).