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Model #: SMART5000TEL3U

SmartPro Rack/Tower UPS System - Intelligent, line-interactive battery backup and network power management

Highlights

- 5000VA line interactive 3U rack / tower UPS
- Enhanced communication ports (2 USB / 2 DB9), free PowerAlert software and cabling, slot for SNMP/Web card
- Maintains 208V nominal output over an input range of 174-282 (also supports 600VA of 120V output)
- 5 output receptacles (L6-30, L6-20, 5-15)
- \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)



Description

Tripp Lite's SMART5000TEL3U intelligent, line interactive UPS protects server, networking and telecommunications equipment from blackouts, voltage fluctuations and surges in a compact rackmount housing. Completely self-contained UPS system occupies only 3 rack spaces (3U) in a standard 19 inch rack, making this model one of the smallest 5kVA UPS systems available. Included accessories support mounting 4 post rack enclosures. Large capacity 5000 VA/3750 watt UPS system accepts raw 208/240V AC input, adjusting output to normal 208V levels. One pair of 120V outlets support up to 600VA monitors and other low voltage accessories. Includes slot for internal SNMP/web card, plus 2 DB9 and 2 USB enhanced monitoring ports for unattended shutdown, remote control and monitoring of UPS system and power data. Five outlets (two L6-20R, one L6-30R and two 5-15R) allow the connection of high current 20 and 30 amp 208V connectors and up to two 120V devices (max 600VA at 120V).

Package Includes

- SMART5000TEL3U UPS System
- PowerAlert Software and cabling
- Mounting hardware
- Warranty information
- Instruction manual

Features

- Large 5000VA/3750-watt output capacity accommodates solitary large loads or multiple low-power loads
- High power density 5kVA power module occupies only 3 rack spaces (3U)
- 16 minutes half-load runtime (with a continuous load 2500VA; much longer runtime available at smaller loads)
- Line-interactive voltage regulation corrects severe brownouts and overvoltages without using battery power
- High voltage output supports 208V server, internetworking and telecom applications
- Pair of 120V outlets supports up to 600VA for standard 120V monitors, voicemail and other low-power networking devices
- Five total outlets (two L6-20R, one L6-30R and two 5-15R)
- Diagnostic LEDs provide visual indication of 17 separate performance conditions
- Included PowerAlert Software provides e-mail or pager notification of power problems and simultaneous automatic unattended shutdown of multiple servers
- 4 built-in communications ports (2 USB/2 DB9) 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

- Emergency Power Off (EPO) interface for emergency shutoff in large facilities
- Hot-swappable/user-replaceable batteries allow on-site battery replacement through the front panel without powering off connected equipment or removing the UPS from the rack
- UPS ships fully assembled and ready for installation; no time-consuming user battery connections required
- \$250,000 [Ultimate Lifetime Insurance](#). No warranty cards required for coverage!
- 2-year manufacturer's product warranty

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	5000
Output kVA capacity (kVA)	5
Output Watt Capacity (watts)	3750
Output kW capacity	3.8
Output power factor	0.8
Nominal Output Voltage(s) Supported	120V; 208V
Nominal Voltage details	120V output is limited to 600VA / 450 watts (maximum)
Frequency compatibility	60 Hz
Output voltage regulation (line mode)	208 & 120V (-6%, +20%)
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	2 5-15R outlet(s); 2 L6-20R outlet(s); 1 L6-30R outlet(s)
Output receptacle details	120V 5-15R outlets are limited to 600VA / 450 watts (maximum)
Output circuit breaker	20A double pole breaker supports L6-20R outlets, 5A breaker supports 5-15R outlets, L6-30R outlet is unbreakered
Basic PDU options	PDU1230 (1U / 2 C19, 16 C13 outlets); PDUNV (1U / 2 C19, 12 C13 outlets); PDUV30HV (0U / 6 C19, 32 C13 outlets)
Metered PDU options	PDUMV20HV (0U / 6 C19, 32 C13 outlets); PDUMV30HV (0U / 6 C19, 24 C13 outlets)
Switched PDU options	PDUMH20HVNET (1U / 8 C13 outlets); PDUMH30HVNET (2U / 16 C13 outlets); PDUMV20HVNET (0U / 4 C19, 24 C13 outlets); PDUMV30HVNET (0U / 4 C19, 24 C13 outlets)
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	Sine wave
INPUT	
Rated input current (at maximum load)	24A
Nominal Input Voltage(s) Supported	208V AC

UPS input connection type	L6-30P
UPS Input cord length (ft.)	10
UPS Input cord length (m)	3
Recommended Electrical Service	30A 208V
BATTERY	
Full load runtime (minutes)	8.5 min. (3750w)
Half load runtime (minutes)	20 min. (1875w)
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)	RBC94-3U (quantity 3)
Battery Access	Front panel battery access door
Battery replacement description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage regulation description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 167 to 260
Overvoltage correction	Input voltages between 228V and 260V are reduced by 12%
Undervoltage correction	Input voltages between 167V and 194V are boosted by 12%
LEDS ALARMS & SWITCHES	
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
SURGE / NOISE SUPPRESSION	
UPS AC suppression joule rating	1020
UPS AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Installation form factors supported with included accessories	4 post 19 inch rackmount (mounting rail kit included)

Installation form factors supported with optional accessories	2 post rackmount (2POSTRMKITWM); Tower (2-9USTAND)
Primary form factor	Rackmount
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	5.2 x 17.5 x 25
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	13.3 x 44.4 x 63.5
Installed whole system total rack space height (rack spaces)	3U
Secondary form factor	Tower (requires 2-9USTAND)
Installed whole system dimensions in secondary form factor (height x width x depth / inches)	17.5 x 5.2 x 25
UPS dimensions in secondary form factor (height x width x depth / cm)	44.4 x 13.3 x 63.5
UPS / Power Module weight (lbs)	143.3
UPS / Power Module weight (kg)	65.1
UPS Shipping dimensions (height x width x depth / inches)	11.2 x 23 x 31.5
UPS Shipping dimensions (height x width x depth / cm)	28.6 x 58.4 x 80
Shipping weight (lbs)	181.9
Shipping weight (kg)	82.6
UPS housing material	Steel
Cooling method	Fan
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)	671.1
Battery mode BTU / hr. (full load)	1416.7
COMMUNICATIONS	

Communications interface	USB; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
Network monitoring port description	Supports detailed monitoring of UPS and site power conditions
PowerAlert software	Included
Communications cable	USB and DB9 cabling included
WatchDog compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
LINE / BATTERY TRANSFER	
Transfer time	4 to 8 milliseconds
Low voltage transfer to battery power (setpoint)	167
High voltage transfer to battery power (setpoint)	260
SPECIAL FEATURES	
Grounding lug	Back panel grounding lug
Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
High availability UPS features	Hot swappable batteries
Green & high efficiency UPS features	Greater than 95% efficiency - GREEN UPS
CERTIFICATIONS	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Meets FCC Part 15 Category A (EMI); ROHS (Reduction of Hazardous Substances)
WARRANTY	
Product Warranty Period (U.S., Canada & Puerto Rico)	2 years
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 connected equipment insurance

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
SNMP Accessories	SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	-
SNMP Accessories	ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	-
SNMP Accessories	U022-010	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	-
Surge Protectors	DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	-
Surge Protectors	DNET1	Network Surge Suppressor - Essential protection for data and communication lines	-
Extended Warranties	WEXT3-5000TEL	3-Year Extended Warranty - For SMART5000TEL3U only	-

Extended Warranties	WEXT5-5000TEL	5-Year Extended Warranty - For SMART5000TEL3U only	-
Tower Stands	2-9USTAND	Enables Tower Placement of Rackmount UPS Systems	-
UPS Accessories	MODBUSCARD	For remote monitoring and control via MODBUS protocol	-
Rackmount/Wallmount Kits	2POSTRMKITHD	Enables 2-Post Rackmount Installation of 3U and Larger UPS, Transformer and Battery Pack Components	-

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=3035.

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