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 400VA 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 400VA 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 5 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 400VA at 120V).

Applications

Ideal for centralized UPS protection of critical 208 volt equipment in server rooms, internetworking closets and telecommunications systems in rackmount or tower applications. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems.

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 400VA 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

SYSTEM OVERVIEW	
Voltage compatibility	208V AC
Frequency compatibility	60 Hz
OUTPUT	
Output VA	5000
Output watts	3750
Output nominal voltage	208V AC
Output voltage regulation	LINE MODE: Sine wave output within 208V (-6% +20%) plus 120V nominal (600VA max @ 120V)
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz +/-10%
Outlet quantity / type	1 NEMA L6-30R, 2 NEMA L6-20R and 2 NEMA 5-15R
Overload protection	Resettable circuit breaker
INPUT	
Maximum input amps	24A / 3970 watts @208V
Input connection type	NEMA L6-30P
Input cord length	10 ft., 10 gauge
Recommended electrical service	30A 208V (or 50A 208V)
BATTERY	
Full load runtime	8.5 min (5000VA)
Half load runtime	20 min (2500VA)
DC system voltage	48 VDC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	2-4 hours to 90%
Replacement Battery Cartridge	RBC94-3U (qty 3)
VOLTAGE REGULATION	
Voltage regulation description	Automatic Voltage Regulation (AVR) circuits maintains clean, regulated computer-grade 208/120V nominal output, without using battery power, during brownouts to 167V and overvoltages to 260V
Overvoltage correction	Input voltages between 228V and 260V are reduced by 12%

Brownout correction	Input voltages between 167V and 194V are boosted by 12%

LEDS ALARMS & SWITCHES

Front panel LEDs	5 front-panel LEDs: Green POWER LED, Green VOLTAGE CORRECTION LED, 3-color BATTERY CHARGE LED, 3-color OUTPUT LOAD LED, red BATTERY WARNING LED
Alarms	3 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)
Switches	Yes, includes 2 front panel mounted push button switches for system enable, self-test and alarm cancel functions

SURGE / NOISE SUPPRESSION

AC surge suppression	1020 joules
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes

PHYSICAL

Shipping weight (lbs)	181.9
Shipping weight (kg)	82.58
Shipping Dimensions (HWD/in)	11.25 x 23 x 31.5
Shipping Dimensions (HWD/cm)	28.6 x 58.4 x 80
Unit weight (lbs)	143.3
Unit weight (kg)	65.1
Unit Dimensions (HWD/in)	5.25 x 17.5 x 25
Unit Dimensions (HWD/cm)	13.3 x 44.5 x 63.5
Material of construction	Steel
Form factors supported	Rack (3U)
Cooling method	Built-in cooling fan
Battery Access	Battery access door allows hot swap battery replacement without powering connected equipment off

ENVIRONMENTAL

Operating Temperature	+32 to +104 degrees Fahrenheit
Storage Temperature	+5 to +122 degrees Fahrenheit
Relative Humidity	0 to 95%, non-condensing

COMMUNICATIONS

Network monitoring port	Includes built-in USB and DB9 serial ports. Each supports 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
Software and cabling included	Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Ships with USB and DB9 serial cables
SNMP compatibility	Built-in accessory slot accommodates internal SNMP / Web card and other network accessories
WatchDog compatibility	Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of applications / OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications

LINE / BATTERY TRANSFER

Transfer time from line power to battery mode	4 to 8 milliseconds
Low voltage transfer to battery power	167VAC (resets to line power as voltage increases to 176VAC)
High voltage transfer to battery power	260V (resets to line power as voltage decreases to 254VAC)
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA (Canada), FCC Class A (Emissions)
WARRANTY	
Product warranty	2 year product warranty
Connected equipment insurance (USA and Canada Only	$250,000 connected equipment insurance (USA / Canada only)
Optional coverage	3-year, 5-year, next-day and on-site warranty coverage available for select opportunities; contact Tripp Lite
SPECIAL FEATURES	
EPO port	Includes RJ11 EPO (emergency power off) port and interconnection cable
TVSS grounding	Includes back panel grounding point with thumbscrew for data line surge suppressors and other network accessories requiring a chassis grounding point.
Cold Start	Yes, inverter can be cold started to enable temporary AC output during a power failure
Appearance	Attractive black rackmount housing

More information, including related products, owner's manuals, and additional technical specifications, can be found online at
www.tripplite.com/products/model.cfm?txtModelID=3035.