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

Model #: SU3000RTXL3U

SmartOnline Expandable 3U Rack / Tower UPS System - On-line, double-conversion, sine wave UPS with PDU switching, current monitoring and fault tolerant auto-bypass

Highlights

- 3000VA / 2400W on-line, double-conversion, extended-run 3U rack / tower UPS
- Maintains sine-wave 110/120V +/-2% output during overvoltages to 138 and brownouts as low as 65V (50/60Hz auto-sensing)
- Simultaneous use communications via HID compliant USB port, serial port, SNMP/Web card slot and EPO interface
- Fault tolerant auto-bypass mode, current monitoring and switched PDU control via 2 switchable output load banks
- Input: NEMA L5-30P (120V) / Output: 4 NEMA5-15R, 4 NEMA5-15/20R & 1 NEMA L5-30R
- 2 year product warranty / $250,000 Ultimate Lifetime Insurance (USA & Canada only)
- Estimated Retail Pricing: $1,400.00

Description

3000VA on-line, double-conversion UPS system for critical server, network and telecommunications equipment. 3U rackmount form factor with an installed depth of 26 inches. Expandable battery runtime with optional BP72V15-2U and BP72V28RT-3U external battery packs. Full time sine wave 110 or 120V +. -2% output. Uninterruptible Power Supply (UPS) actively converts raw incoming AC power to DC, then re-converts output back to completely regulated, filtered AC output. Operates continuously without using battery power during brownouts to 65V and overvoltages to 138V. NEMA L5-30P input plug. NEMA 5-15, NEMA 5-15. 20R and NEMA L5-30R output receptacles. Network-grade AC surge and noise suppression. Zero transfer time between AC and battery operation. Network management interfaces support simultaneous communications via USB port, DB9 serial port and SNMPWEBCARD slot. Includes USB and DB9 serial ports. Built-in DB9 port offers both enhanced RS-232 enabled monitoring data, plus contact closure monitoring ability. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Supports simultaneous detailed monitoring of equipment load levels, self-test data and mains power conditions via all 3 network interfaces at once. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. Integrated two bank PDU switching supports load shedding and remote-reboot of connected equipment. 3 stage metered current monitoring and battery charge status LEDs. Dataline surge suppression for dialup, DSL or network ethernet connection. Mains power and voltage regulation LEDs. Audible Alarm. Self-test. Fault-tolerant auto-bypass mode. LED display panel easily rotates for better viewing in rackmount or tower configurations. 4 post rackmount accessories. 2-9USTAND tower kit and 2POSTRMKITWM two post rackmount hardware accessories available. Field replaceable, hot swappable internal batteries and external battery packs. Attractive all-black UPS design. Two year warranty with $250,000 connected equipment insurance. Extended warranty and service contracts available.

Applications

Ideal for protection of critical 120V equipment in server rooms, internetworking closets and telecommunications systems in rackmount or tower applications. Common applications include corporate or departmental servers, workstations, hubs, routers, bridges, CAD/CAM workstations, concentrators, IP telephony and traditional PBX switching systems.

Package Includes

SU3000RTXL3U UPS System

PowerAlert Software and Cabling
Mounting hardware for 4 post rack enclosures
Instruction manual with warranty information

Features

SmartOnline high performance UPS system is ideal for critical voice, data, medical and industrial network applications
True on-line, double-conversion UPS provides perfectly regulated sine wave output within 2% of 110/120V (user selectable) under all usage conditions
Maintains continuous operation through blackouts, voltage fluctuations and surges with zero transfer time
Removes harmonic distortion, fast electrical impulses, frequency variations and other hard to solve power problems not addressed by other UPS types
Corrects line voltage conditions as low as 65V and as high as 138V back to selectable 110/120V (+/-2%) values
Standard internal battery set offers 14 minutes runtime at half load (1200W) and 5 minutes at full load (2400W)
Expandable battery runtime with optional BP72V15-2U and BP72V28RT-3U external battery packs
Compact rackmount form factor installs using only 3 rack spaces (3U) with a maximum installed depth of 26 inches
Ships with all mounting accessories for 4 post rackmount installation
Optional 2POSTRMKITWM enables 2 post rackmount installation
Optional 2-9USTAND accessory enables small-footprint upright tower placement
Fault tolerant auto-bypass maintains continuous utility output to connected equipment, even in cases where the UPS suffers internal failure and requires maintenance
Network interfaces support simultaneous communications via built-in USB, DB9 serial / contact-closure and SNMPWEBCARD slot
HID compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X.
Included PowerAlert UPS monitoring software supports safe unattended shutdown, monitoring and control via local connected servers, plus any number of additional servers over IP
UPS interface supports on-battery, low-battery, power-restored, AC-voltage, DC-voltage, output current monitoring, battery charge current, battery capacity, AC line frequency, timed inverter shutoff, activate self-test, load bank output power control and remote reboot, UPS nominal voltage adjustment and UPS line to battery power voltage setpoints
Built-in Emergency Power Off (EPO) interface with cable
NEMA L5-30P input plug / NEMA 5-15/20R, L5-20R & L5-30R output receptacles
Integrated 2 bank switched PDU enables remote outlet management for load shedding or remote reboot of individual load banks (each bank has four outlets)
Front panel LEDs offer current monitoring and battery charge level information
UPS ships fully assembled in full compliance with DOT regulations; no time consuming connection of internal batteries by user required
Single line TEL/DSL or network ethernet line surge suppression
2 year manufacturer's product warranty; $250,000 Ultimate Lifetime Insurance

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V AC (100/110/120V)
Frequency compatibility	50/60 Hz compatible (auto-sensing)
OUTPUT	
Output VA	3000
Output watts	2400
Output nominal voltage	120V AC (100/110/120V)
Output voltage regulation	Maintains full-time sine wave output within 2% of selected nominal, less than 3% total harmonic distortion (linear load) / 5% total harmonic distortion (computer load) (Less than 5% THD on-line and on-battery)
Output frequency regulation	Regulates line frequency to 50/60Hz +/- 0.05Hz
Outlet quantity / type	4 NEMA 5-15R, 4 NEMA 5-15/20R, 1 NEMA L5-30R

Customized load management receptacles	2 controllable load banks support load shedding and remote reboot on demand of locked network devices (each bank has 4 outlets)
Overload protection	Via 40A input breaker
INPUT	
Maximum input amps	24A
Input connection type	NEMA L5-30P
Input cord length	10ft / 3m
Recommended electrical service	120V 30A dedicated circuit
BATTERY	
Full load runtime	5 minutes (2400 watts)
Half load runtime	14 minutes (1200 watts)
Expandable battery runtime	Supports extended runtime with optional external battery packs BP72V15-2U (limit 1) and BP72V28RT-3U (multi-pack compatible)
DC system voltage	72VDC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	less than 6 hours to 90%
Replacement Battery Cartridge	RBC96-3U (qty 1)
VOLTAGE REGULATION	
Voltage regulation description	On-line, double-conversion power conditioning maintains output within 2% of 110/120 volts at all times
Overvoltage correction	Maintains output of selected nominal +/-2% during overvoltages to 138V AC
Brownout correction	Maintains output of selected nominal +/-2% during undervoltages to 65V AC (at loads greater than 70% undervoltage correction extends to 80V)
LEDS ALARMS & SWITCHES	
Front panel LEDs	LED STATUS DISPLAY: line power (green), online (green), bypass (yellow), on battery (green), overload (red), battery low (yellow) - 4 LED LOAD / BATTERY LEVEL DISPLAY (100%, 75%, 50%, 25%). LED display panel easily rotates for better viewing in rackmount or tower configurations.
Alarms	Multi-function audible alarm with distinctive ring patterns offer notification of backup operation (2 seconds on / 0.5 seconds off), low battery warning (1.25 seconds on / 0.5 seconds off), overload (sounds continuously), UPS fault (4.2 seconds on / 1 second off), input voltage out of frequency (2.1 seconds on / 0.14 seconds off) and high input voltage (2.1 seconds on 0.07 seconds off)
Switches	Includes power off/on switch to enable system turn on (press ON switch), UPS battery test (press ON switch during normal AC operation), buzzer silence (press ON switch during battery operation) and OFF (press OFF switch) - all switch functions require that the switch be pressed and held for longer than 2 seconds, but less than 4 seconds
SURGE / NOISE SUPPRESSION	
AC surge suppression	480 joules
AC suppression response time	480 joules
Dataline suppression	Set of 8 wire RJ style interface jacks offer surge suppression for network ethernet or TEL/DSL connection. Pins 1,2,3 and 6 offer ethernet protection starting at 7.5V and the center two wires, pins 4 & 5, offer TEL/DSL line suppression starting at 260V
EMI / RFI AC noise suppression	Yes
PHYSICAL	

Shipping weight (lbs)	112.44
Shipping weight (kg)	55.53
Shipping Dimensions (HWD/in)	11.25 x 23 x 31.5
Shipping Dimensions (HWD/cm)	28.5 x 58.4 x 79.3
Unit weight (lbs)	73.85
Unit weight (kg)	33.49
Unit Dimensions (HWD/in)	5.25 x 17.75 x 26
Unit Dimensions (HWD/cm)	13.3 x 45 x 66
Material of construction	Steel
Form factors supported	Rack (3U)
Cooling method	Built-in cooling fan
Battery Access	User replaceable, hot-swappable battery replacement supported via front access panel
ENVIRONMENTAL	
Operating Temperature	32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
Line mode BTU/hr. (Max.)	1219.3 BTU/hr. (worst case)
Battery mode BTU/hr. (Max.)	1328.4 BTU/hr. (worst case)
COMMUNICATIONS	
Network monitoring port	Includes USB and DB9 serial ports. Built-in DB9 port offers both enhanced RS-232 enabled monitoring data, plus contact closure monitoring ability. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of
Software and cabling included	Yes, includes PowerAlert software CD-ROM and complete cabling
SNMP compatibility	Yes, includes slot for optional SNMPWEBCARD accessory (#SNMPWEBCARD)
WatchDog compatibility	Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipmentâ"ideal for unattended kiosk applications
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	Zero, online UPS continuously converts incoming AC to DC, then back to AC. When commercial power is interrupted, UPS maintains continuous output from battery reserves with absolutely no disruption in output AC power.
Low voltage transfer to battery power	Maintains continuous operation during undervoltages as low as 65V (80V at load levels over 70%). Below this switchover point, output is supported from battery derived AC power.
High voltage transfer to battery power	Maintains continuous operation without using battery power during overvoltages to 138V. Above this point, output is supported from battery derived AC power.
CERTIFICATIONS	

Certifications	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), NOM (Mexico), Class A (emissions), FCC Part 68 / Industry Canada (telecommunications), RoHS compliant.
WARRANTY	
Product warranty	2 year product warranty
Connected equipment insurance (USA and Canada Only	$250,000 connected equipment insurance (USA and Canada only)
Optional coverage	3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information.
SPECIAL FEATURES	
EPO port	Supports "Emergency Power Off" via set of dedicated built-in EPO jacks
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive black steel rackmount housing
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional)	BP72V15-2U (limit 1), BP72V28RT-3U (multi-pack compatible)

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/products/model.cfm?txtModelID=3023.