SmartOnline 208/240V 3kVA 2.4kW Double-Conversion UPS, 3U Rack/Tower, Extended Run, Network Card Options, DB9 Serial

MODEL NUMBER: **SU3000RTXL3UHV**

Description

3000VA / 3kVA on-line, double-conversion UPS system for critical server, network and telecommunications equipment. 3U rackmount form factor with an installed depth of 20 inches (50.8cm). Expandable battery runtime with optional external battery packs BP72V15-2U (limit 1), BP72V28RT-3U (multi-pack compatible) and BP72V18-2US (multi-pack compatible). Full time sine wave 200/208/220/240V AC output with +/-2% voltage regulation. Online, double-conversion 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 130V and overvoltages to 275V. NEMA L6-20P input plug. NEMA 6-15/20R & L6-20R output receptacles. Network-grade AC surge and noise suppression. Zero transfer time between AC and battery operation. Network management interfaces support simultaneous communications via DB9 serial port and slot for network management card options. Built-in DB9 port offers both enhanced RS-232 enabled monitoring data, plus contact closure monitoring ability. Supports simultaneous detailed monitoring of equipment load levels, self-test data and mains power conditions via all network interfaces. PowerAlert UPS monitoring software is available via free download. Integrated two bank PDU switching supports load shedding and remote-reboot of connected equipment. Multi-stage metered current monitoring and battery charge status LEDs. Mains power and voltage regulation LEDs. Audible Alarm. Self-test. Fault-tolerant auto-bypass mode. 4 post rackmount accessories included; 2-9USTAND tower kit and 2POSTRMKITWM 2-post rackmount accessories available. Field replaceable, hot swappable internal batteries and external battery packs. Attractive all-black UPS design. $250,000 Ultimate Lifetime Insurance (U.S., Canada, and Puerto Rico only).

Features

- True on-line, double conversion UPS provides pure, sine wave AC output at all times
- Maintains continuous operation through blackouts, voltage fluctuations and surges with zero transfer

Highlights

- 3000VA / 3kVA / 2400 watt on-line double-conversion 3U rack/tower UPS
- 208/240V +/-2% output at 50/60Hz
- Expandable runtime, Hot-swappable battery modules
- RS232 port; slot for network management card options
- Front panel status LEDs with detailed load and battery metering
- NEMA L6-20P input; 6-15/20R & L6-20R outlets

Package Includes

- SU3000RTXL3UHV Rack-Tower UPS System
- DB9 Cable
- Mounting hardware for 4 post rackmount enclosures
- Warranty information
- Instruction manual

time

- Removes harmonic distortion, electrical impulses, frequency variations and other hard to solve power problems

- Accepts input voltages between 160 and 275 (130 to 275 at loads under 70%), regulating output to selectable 200/208/220/240V +/-2%

- 3000VA/2400 watt power capacity with 8 total outlets (6 NEMA6-15/20R & 2 NEMAL6-20R)

- Standard internal battery set provides 14 minutes runtime at half load

- Expandable runtime with external battery packs BP72V15-2U (limit 1), BP72V28RT-3U (multi-pack compatible) and BP72V18-2US (multi-pack compatible)

- Intelligent battery management system extends battery life

- Innovative design makes unit adaptable for rackmount, tower, or stacking applications

- Uses only 3 rack spaces (3U) in standard 19 inch rack

- DB9 serial port for network interface

- Compatible with Tripp Lite UPS management card options TLNETCARD, WEBCARDLX, SNMPWEBCARD, MODBUSCARD and RELAYIOCARD

- Serial port enables data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from www.tripplite.com/poweralert

- Compatible with Tripp Lite's Watchdog Service Monitoring/Reboot Software

- Fault tolerant electronic bypass maintains utility output during a variety of UPS fault conditions

- Diagnostic LEDs

- Battery replacement door

- Mounting hardware included for 4 post rack enclosures, tower placement supported with optional 2-9USTAND accessory, 2 post telecom rack compatible with optional 2POSTRMKITHD accessory

- $250,000 Ultimate Lifetime Insurance (U.S., Canada, and Puerto Rico only)

Specifications

OVERVIEW	
UPC Code	037332118035

OUTPUT	
Output Volt Amp Capacity (VA)	3000
Output kVA Capacity (kVA)	3
Output Watt Capacity (Watts)	2400
Output kW Capacity (kW)	2.4
Output Capacity Details	OVERLOAD CAPACITY: Supports inverter operation up to 105% load continuously, 125% load for 3 minutes; 150% load for 30 seconds and >150% load for 0.5 seconds before switching to BYPASS (when bypass input voltage and frequency are WITHIN bypass limits) or SHUTDOWN (when bypass input voltage or frequency are OUTSIDE bypass limits)

Power Factor	0.8
Crest Factor	3:1
Nominal Output Voltage(s) Supported	200V; 208V; 220V; 240V
Nominal Voltage Details	208V default
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Output frequency matches input nominal on startup, defaults to 60 Hz on cold-start
Output Voltage Regulation (Line Mode)	+/- 2%
Output Voltage Regulation (Battery Mode)	+/- 2%
Output Receptacles	(6) 6-15/20R; (2) L6-20R
Load Management Receptacles	Two switchable 6-15/20R load banks (bank 1 - two outlets, bank 2 - four outlets)
Output AC Waveform (AC Mode)	Pure Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
INPUT	
Rated input current (Maximum Load)	14.9A (200V), 14.3A (208V), 13.1A (220V), 12.1A (240V)
Nominal Input Voltage(s) Supported	200V AC; 208V AC; 220V AC; 240V AC
UPS Input Connection Type	L6-20P
Input Circuit Breakers	25A double pole
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	20A
Input Phase	Single-Phase
BATTERY	
Full Load Runtime (min.)	5 min. (2400w)
Half Load Runtime (min.)	14 min. (1200w)
Expandable Battery Runtime	Supports extended runtime with optional external battery packs
External Battery Pack Compatibility	BP72V15-2U (limit 1); BP72V18-2US (multi-pack compatible); BP72V28RT-3U (multi-pack compatible)
DC System Voltage (VDC)	72
Battery Recharge Rate (Included Batteries)	Less than 6 hours from 10% to 80% (typical, full load discharge)
Internal UPS Replacement Battery Cartridge	RBC96-3U

Battery Access	Front panel battery access door
Battery Replacement Description	Hot-swappable, user replaceable batteries
Expandable Runtime	Yes

VOLTAGE REGULATION

Voltage Regulation Description	Online, double-conversion power conditioning
Overvoltage Correction	Maintains output during overvoltages to 275
Undervoltage Correction	Maintains output during undervoltages to 160V AC
Severe Undervoltage Correction	At load levels less than 70%, UPS maintains output during undervoltages to 130V AC

USER INTERFACE, ALERTS & CONTROLS

Switches	2 switches control off/on power status and alarm-cancel/self-test operation
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
LED Indicators	14 LEDs indicate line power, online mode, bypass mode, on-battery, overload, battery low, replace battery and fault status information; 4-LED meter displays load and battery charge levels; LED panel rotates for viewing in rack/tower formats

SURGE / NOISE SUPPRESSION

UPS AC Suppression Joule Rating	2670
UPS AC Suppression Response Time	Instantaneous
UPS Dataline Suppression	1 line TEL/DSL or Ethernet
EMI / RFI AC Noise Suppression	Yes

PHYSICAL

Included Mounting Accessory Description	Includes 4 post rackmount installation accessories
Installation Form Factors Supported with Optional Accessories	2 post rackmount (2POSTRMKITHD); Tower (2-9USTAND)
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	5.25 x 17.5 x 21
UPS Power Module Dimensions (hwd, cm)	13.34 x 44.45 x 53.34
Rack Height (U Spaces)	3
Minimum Required Rack Depth (inches)	26
Minimum Required Rack Depth (cm)	66.04
UPS Power Module Weight (lbs.)	74.9
UPS Power Module Weight (kg)	33.97

Shipping Dimensions (hwd / in.)	26.000 x 13.000 x 24.000
Shipping Dimensions (hwd / cm)	66.04 x 33.02 x 60.96
Shipping Weight (lbs.)	96.6000
Shipping Weight (kg)	43.82
Cooling Method	Fan
UPS Housing Material	Steel
Primary UPS Height (mm)	133
Primary UPS Width (mm)	445
Primary UPS Depth (mm)	533

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)	1117
Battery Mode BTU / Hr. (Full Load)	1224
AC Mode Efficiency Rating (100% Load)	88%

COMMUNICATIONS

Communications Interface	Contact closure; DB9 Serial; Slot for SNMP/Web interface
Network Management Cards	SNMPWEBCARD; TLNETCARD; WEBCARDLX; MODBUSCARD; RELAYIOCARD
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications; Economy-mode setting option is available using PowerAlert software and DB9 Serial cable connection OR via select Network Management Card options
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert
Communications Cable	DB9 cable included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications

LINE / BATTERY TRANSFER

Transfer Time	No transfer time (0 ms.) in online, double-conversion mode
Low Voltage Transfer to Battery Power (Setpoint)	160V (100% load), 130V (<70% load)
High Voltage Transfer to Battery Power (Setpoint)	275

SPECIAL FEATURES

Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported

High Availability UPS Features	Automatic inverter bypass; Hot swappable batteries

CERTIFICATIONS	
UPS Certifications	Meets FCC Part 15 Category A (EMI); Tested to NOM (Mexico); Tested to UL1778 (USA)

WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance