



SmartOnline Expandable Tower UPS System - NAFTA assembled version of SU3000XL

MODEL NUMBER: SU3000XLNAFTA





Description

3000VA on-line, double-conversion UPS system for critical server, network and telecommunications equipment. Upright tower form factor. Expandable battery runtime with optional BP72V28-3UNAFTA external battery packs. Full-time sine wave 110 or 120V +/-2% output. 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 65V and overvoltages to 138V. NEMA L5-30P input plug; NEMA 5-15R, 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. 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 utility power conditions via all 3 network interfaces. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. Integrated 2-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. Utility power and voltage regulation LEDs. Audible alarm. Self-test. Fault-tolerant auto-bypass mode. Field-replaceable, hotswappable internal batteries and external battery packs. Attractive all-black color scheme. \$250,000 connected equipment insur;

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)
- Optional BP72V28-3UNAFTA external battery packs offer expandable battery runtime
- Space saving upright tower format

Highlights

- 3000VA / 3KVA on-line, doubleconversion, extended-run tower LIPS
- 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
- \$250,000 Ultimate Lifetime Insurance (USA and Canada Only)

Package Includes

- SU3000XLNAFTA UPS System
- PowerAlert Software and Cabling
- Instruction manual with warranty information





- Fault tolerant electronic bypass maintains utility output during a variety of UPS fault conditions
- 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
- \$250,000 Ultimate Lifetime Insuran

Specifications

OVERVIEW		
UPC Code	037332137715	
INPUT		
Rated input current (Maximum Load)	24A (120V), 26.2A (110V)	
Nominal Input Voltage(s) Supported	110V AC; 120V AC	
UPS Input Connection Type	L5-30P	
Input Circuit Breakers	40A	
UPS Input Cord Length (ft.)	10	
UPS Input Cord Length (m)	3.1	
Recommended Electrical Service	30A 120V	
OUTPUT		
Output Capacity (VA)	3000	
Output Capacity (kVA)	3	
Output Capacity (Watts)	2400	
Output Capacity (kW)	2.4	
Power Factor	0.8	
Crest Factor	3:1	
Nominal Voltage Details	120V default	





Frequency Compatibility Details Output frequency matches input nominal on startup, defaults to 60 Hz on cold-start Output Voltage Regulation (Line V. 2% Output Voltage Regulation (Battery Mode) Output Voltage Regulation (Battery Mode) Output Voltage Regulation (Battery Mode) Output Voltage Regulation (Battery Voltage Regulation (Battery Mode) Output Collage Regulation (Battery Voltage Regulation (Battery Mode) Output AC Waveform (AC Mode) Sine wave Output AC Waveform (Battery Mode) Pure Sine wave Output AC Waveform (Battery Mode) Nomenal Output AC Waveform (Battery Mode) Output AC Waveform (Battery Mode) I 10V: 120V Output AC Waveform (Battery Mode) Nomenal Output AC Waveform (Battery Mode) Nomenal Output AC Waveform (Battery Mode) I 10V: 120V Output AC Waveform (Battery Mode) Nomenal Output AC Waveform (Battery Mode) Nomenal Output AC Waveform (Battery Mode) I 10V: 120V Output AC Waveform (Battery Mode) Nomenal Output AC Waveform (Battery Mode) Nomenal Output AC Waveform (Battery Mode) I 10V: 120V Output AC Waveform (Battery Mode) Nomenal Output AC Waveform (Battery Mode) Nomenal Output AC Waveform (Battery Mode) I 10V: 120V Output AC Waveform (Battery Mode) Nomenal Output AC Waveform (Battery Ac Acompanies) Nomenal Output AC Waveform (Battery Pack Aceter) Nomenal Output AC Waveform (Battery Pack Aceter) Nomenal Output AC Waveform (Battery Pack Aceter) Nomenal Output AC Waveform (Battery Aceter) Nomenal Output			
Output Voltage Regulation (Line Mode)	Frequency Compatibility	50 / 60 Hz	
Mode) 1. **. ** **. **. **. **. **. **. **. *	Frequency Compatibility Details	Output frequency matches input nominal on startup, defaults to 60 Hz on cold-start	
Country Unite Mode 1.00	Output Voltage Regulation (Line Mode)	+/- 2%	
Load Management Receptacles Two switchable four-outlet load banks, (bank 1 - four 5-15/20R, bank 2 - four 5-15R outlets)	Output Voltage Regulation (Economy Line Mode)	+/- 10%	
Output Circuit Breakers 15A branch rated (x2) - each breaker protects 4 outlets, L5-30R is unbreakered Output AC Waveform (AC Mode) Sine wave Output AC Waveform (Battery Mode) Pure Sine wave Nominal Output Voltage(s) 110V; 120V Output Receptacles (4) 5-15R; (4) 5-15/20R; (1) L5-30R BATTERY Runtime Full Load (min.) 6 min. (2400w) Runtime Half Load (min.) 17 min. (1200w) Expandable Runtime Yes External Battery Pack Compatibility Probe Systems—BP72V15-2U-7a-8nbsp; (limit 1); Anbspca class="productLink" href="//tripplite.eaton.com/External-72V-2U-RackTower-Battery-Pack-for-Select-Tripp-Lite-UPS-Systems—BP72V15-2U-7a-8nbsp; (limit 1); Anbspca class="productLink" href="//tripplite.eaton.com/External-72V-2U-RackTower-Battery-Pack-for-Select-Tripp-Lite-UPS-Systems—BP72V28RT-3U-7a-8nbsp; (multi-pack-compatible); BP72V28-3UNAFTA (multi-pack-compatible) DC System Voltage (VDC) 72 Battery Recharge Rate (Included Less than 6 hours from 10% to 80% Battery Access Front panel battery access door Internal UPS Replacement Battery Select-Tripp-Lite-SmartOnline-UPS-RBC86-3U-7BC98-3U-78-Replacement-72VDC-Battery-Cartridge-1-set-6-select-Tripp-Lite-SmartOnline-UPS-RBC86-3U-7BC98-3U-7B-Select-Tripp-Lite-SmartOnline-UPS-RBC86-3U-7BC98-3U-7B-Select-Tripp-Lite-SmartOnline-UPS-RBC86-3U-7BC98-3U-7B-Select-Tripp-Lite-SmartOnline-UPS-RBC98-3U-7BC98-3U-7BC98-3U-7B-Select-Tripp-Lite-SmartOnline-UPS-RBC98-3U-7BC98-3U		+/- 2%	
Output AC Waveform (AC Mode) Sine wave Output AC Waveform (Battery Mode) Pure Sine wave Assignment of Durput Voltage(s) 110V: 120V Output Receptacles (4) 5-15K; (4) 5-15/20R; (1) L5-30R BATTERY Runtime Full Load (min.) 6 min. (2400w) Runtime Half Load (min.) 17 min. (1200w) Expandable Runtime Yes External Battery Pack Compatibility Life-UPS-Systems-BP72V15-2U-SP72V15-2U-SP72V15-2U-RackTower-Battery-Pack-for-Select-Tripp-Life-UPS-systems-BP72V28RT-3U-SP72V15-2U-SP72V15-2U-Rack-Tower-Battery-Pack-for-Select-Tripp-Life-UPS-systems-BP72V28RT-3U-SP72V15-2U-SP72V15-2U-Rack-Tower-Battery-Pack-for-Select-Tripp-Life-UPS-systems-BP72V28RT-3U-SP72V15-2U-Rack-Tower-Battery-Pack-Select-Tripp-Life-UPS-systems-BP72V28RT-3U-SP72V15-2U-Rack-Tower-Battery-Pack-Select-Tripp-Life-UPS-systems-BP72V28RT-3U-SP72V15-2U-Rack-Tower-Battery-Pack-Select-Tripp-Life-UPS-systems-BP72V28RT-3U-Rack-Tower-Battery-Pack-Select-Tripp-Life-UPS-Systems-BP72V28RT-3U-Rack-Tower-Battery-Pack-Select-Tripp-Life-UPS-Systems-BP72V28RT-3U-Rack-Tower-Battery-Pack-Select-Tripp-Life-UPS-Systems-BP72V28RT-3U-Rack-Tower-Battery-Pack-Select-Tripp-Life-UPS-Rack-Battery-Pack-Select-Tripp-Life-UPS-Rack-Battery-Pack-Select-Tripp-Life-UPS-Rack-Battery-Pack-Select-Tripp-Life-UPS-Rack-Battery-Pack-Select-Tripp-Life-UPS-Rack-Battery-Pack-Select-Tripp-Life-SmartOnline-UPS-Rack-Battery-Pack-Batter	Load Management Receptacles	Two switchable four-outlet load banks, (bank 1 - four 5-15/20R, bank 2 - four 5-15R outlets)	
Output AC Waveform (Battery Mode) Nominal Output Voltage(s) Supported 110V: 120V Output Receptacles (4) 5-15R; (4) 5-15/20R; (1) L5-30R BATTERY Runtime Full Load (min.) 6 min. (2400w) Runtime Half Load (min.) 17 min. (1200w) Expandable Runtime Yes External Battery Pack Compatibility Letternal Battery Replacement Very Letternal Pack Letternal	Output Circuit Breakers	15A branch rated (x2) - each breaker protects 4 outlets, L5-30R is unbreakered	
Mode) Pute Sine wave Nominal Output Voltage(s) 110V; 120V Output Receptacles (4) 5-15R; (4) 5-15/20R; (1) L5-30R BATTERY Runtime Full Load (min.) 6 min. (2400w) Runtime Full Load (min.) 17 min. (1200w) Expandable Runtime Yes External Battery Pack Compatibility Absp.v-a class=*productLink* href=*//tripplite eaton.com/External-72V-2U-RackTower-Battery-Pack-for-Select-Tripp-Ltie-UpS-Systems-BP72V15-2U-SeP72V15-2U-Se-Absp; (limit 1), 8nbsp.v-a class=*productLink* href=*//tripplite eaton.com/External-72V-3U-RackTower-Battery-Pack-for-Select-Tripp-Ltie-UpS-Systems-BP72V28RT-3U-seP72V15-3U-seP72V3-Battery-Pack-for-Select-Tripplite-Unit-Mark prize (mint 1), 8nbsp.v-a class=*productLink* href=*//tripplite-eaton.com/SU-UPS-Rabsp; (multi-pack compatible) DC System Voltage (VDC) 72 Battery Recharge Rate (Included Batter) Less than 6 hours from 10% to 80% Battery Access Front panel battery access door Internal UPS Replacement Battery Cartridge-1-sel-6-sel-5-dripp-Ltie-Granton/Inie-UPS-REC66-3U*-RBC96-3U*-/a>-8nbsp; (quantity 1) Battery Replacement Description Hot-swappable, user replaceable batteries VOLTAGE REGULATION Hot-swappable, user replaceable batteries Voltage Regulation Description Online, double-conversion power conditioning Overvol	Output AC Waveform (AC Mode)	Sine wave	
Output Receptacles (4) 5-15R; (4) 5-15/20R; (1) L5-30R BATTERY Runtime Full Load (min.) 6 min. (2400w) Runtime Half Load (min.) 17 min. (1200w) Expandable Runtime Yes External Battery Pack Compatibility Liter-UPS-Systems-BP72V15-2U-SaP72V15-2U-Sa-Robsy; (limit 1); & https://displete.aton.com/External-72V-2U-RackTower-Battery-Pack-for-Select-Tripp-Liter-UPS-Systems-BP72V15-2U-Sa-Robsy; (limit 1); & https://displete.aton.com/External-72V-2U-RackTower-Battery-Pack-for-Select-Tripp-Liter-UPS-Systems-BP72V15-2U-Sa-Robsy; (limit 1); & https://displete.aton.com/External-72V-2U-RackTower-Battery-Pack-for-Select-Tripp-Liter-UPS-Systems-BP72V15-2U-Sa-Robsy; (limit 1); & https://displete.aton.com/External-72V-DU-RackTower-Battery-Pack-for-Select-Tripp-Liter-UPS-systems-BP72V15-2U-Sa-Robsy; (limit 1); & https://displete.doi.org/10.1001/10.10		Pure Sine wave	
Runtime Full Load (min.) 6 min. (2400w) Runtime Half Load (min.) 17 min. (1200w) Expandable Runtime Yes External Battery Pack Compatibility Lives Lipes Systems - BP72V15-2U-SaP72V16-2U-SaP72V28-3UNAFTA (multi-pack compatible) DC System Voltage (VDC) 72 Battery Recharge Rate (Included Battery access door Internal UPS Replacement Battery .:ac class="product.ink" href="/hripplite.eaton.com/3U-JPS-Replacement-72VDC-Battery-Cartridge-1-set-6-select-Tripp-Lite-SmartOnline-UPS-RBC96-3U-SaP66-3U	Nominal Output Voltage(s) Supported	110V; 120V	
Runtime Full Load (min.) 6 min. (2400w) Runtime Half Load (min.) 17 min. (1200w) Expandable Runtime Yes External Battery Pack Compatibility lite-UPS-Systems-BP72V15-2U-SP72V15-2U-3a-Snbsp; (limit 1); 8nbsp;-ca class="productLink" href="//mipplite eaton.com/External-72V-2U-RackTower-Battery-Pack-for-Select-Tripp-Lite-UPS-Systems-BP72V15-2U-SP72V15-2U-3a-Snbsp; (limit 1); 8nbsp;-ca class="productLink" href="//mipplite eaton.com/External-72V-3U-RackTower-Battery-Pack-for-Select-Tripp-Lite-UPS-Systems-BP72V15-2U-3b-P72V28-Rbsp; (limit 1); 8nbsp;-ca class="productLink" href="//mipplite-eaton.com/External-72V-3U-RackTower-Battery-Pack-for-Select-Tripp-Lite-UPS-Systems-BP72V28-RT-3U-3b-P72V28-RT-3	Output Receptacles	(4) 5-15R; (4) 5-15/20R; (1) L5-30R	
Runtime Half Load (min.) Expandable Runtime External Battery Pack Compatibility External Pack Seystems—BP72V15-2U-SBP	BATTERY		
Expandable Runtime External Battery Pack Compatibility Robsp:-ca class="productLink" href="//hripplite.eaton.com/External-72V-2U-RackTower-Battery-Pack-for-Select-Tripp-Lite-UPS-Systems-BP72V15-2U's-BP72V15-2U's-Anbsp; (limit 1); Anbsp:-ca class="productLink" href="//hripplite.eaton.com/External-72V-3U-Rack-Tower-Battery-Pack-deset-Tripp-Lite-UPS-systems-BP72V28RT-3U's-BP72V28RT-3U-Rack-Tower-Battery-Pack-Select-Tripp-Lite-UPS-systems-BP72V28RT-3U's-BP72V28RT-3U's-Anbsp; (multi-pack compatible); BP72V28-3UNAFTA (multi-pack compatible) DC System Voltage (VDC) 72 Battery Recharge Rate (Included Batterise) External UPS Replacement Battery Cartridge Front panel battery access door Internal UPS Replacement Battery Robsp:-ca class="productLink" href="//hripplite.eaton.com/3U-UPS-Replacement-72VDC-Battery-Cartridge-1-set-6-select-Tripp-Lite-SmartOnline-UPS-RBC96-3U"s-RBC96-3U-/a>-8nbsp; (quantity 1) Battery Replacement Description Hot-swappable, user replaceable batteries VOLTAGE REGULATION Voltage Regulation Description Online, double-conversion power conditioning Overvoltage Correction 2% output voltage regulation during overvoltages to 138 Undervoltage Correction 2% output voltage regulation during undervoltages to 65 (under 70% load only) USER INTERFACE, ALERTS & CONTROLS Switches 2 Switches control off/on power status and alarm-cancel/self-test operation	Runtime Full Load (min.)	6 min. (2400w)	
External Battery Pack Compatibility & hbsp: kmc/External-72V-3U-RackTower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP72V28RT-3U">kmc/External-72V-3U-RackTower-Battery-Pack-select-Tripp-Lite-UPS-Systems-BP72V28RT-3U">kmc/External-72V-2U-RackTower-Battery-Pack-for-Select-Tripp-Lite-UPS-Systems-BP72V28RT-3U">kmc/External-72V-2U-RackTower-Battery-Pack-for-Select-Tripp-Lite-UPS-Systems-BP72V28RT-3U">kmc/External-72V-2U-RackTower-Battery-Pack-for-Select-Tripp-Lite-UPS-RBC96-3U">kmc/External-72V-2U-RackTower-Battery-Pack-for-Select-Tripp-Lite-UPS-RBC96-3U-Select-Tripp-Lite-UPS-RBC96-3U-Select-Tripp-Lite-UPS-RBC96-3U-Select-UPS	Runtime Half Load (min.)	17 min. (1200w)	
Life-UPS-Systems-BP72V15-2U's-BP72V15-2U/s-Ashbsp; (limit 1); &hbsp-a class="productLink" href="//tripplite-adno.com/External-72V-3U-Rack-Tower-Battery-Pack-Select-Tripp-Lite-UPS-systems-BP72V28RT-3U's-BP72V28RT-3U's-Ashbsp; (multi-pack compatible); BP72V28-3UNAFTA (multi-pack compatible) DC System Voltage (VDC) 72 Battery Recharge Rate (Included Battery Recharge Rate (Included Batteries) Front panel battery access door Internal UPS Replacement Battery &hbsp-a class="productLink" href="//tripplite.eaton.com/3U-UPS-Replacement-72VDC-Battery-Cartridge-1-set-6-select-Tripp-Lite-SmartOnline-UPS-RBC96-3U's-RBC96-3U-/a-8.nbsp; (quantity 1) Battery Replacement Description Hot-swappable, user replaceable batteries VOLTAGE REGULATION Voltage Regulation Description Online, double-conversion power conditioning Overvoltage Correction 2% output voltage regulation during overvoltages to 138 Undervoltage Correction 2% output voltage regulation during undervoltages to 80 Severe Undervoltage Correction 2% output voltage regulation during undervoltages to 65 (under 70% load only) USER INTERFACE, ALERTS & CONTROLS Switches 2 Switches control off/on power status and alarm-cancel/self-test operation	Expandable Runtime	Yes	
Battery Recharge Rate (Included Batteries) Battery Access Front panel battery access door Internal UPS Replacement Battery Cartridge RBC96-3U'>RBC96-3U'>RBC96-3U' (quantity 1) Battery Replacement Description Hot-swappable, user replaceable batteries VOLTAGE REGULATION Voltage Regulation Description Online, double-conversion power conditioning Overvoltage Correction 2% output voltage regulation during overvoltages to 138 Undervoltage Correction 2% output voltage regulation during undervoltages to 80 Severe Undervoltage Correction 2% output voltage regulation during undervoltages to 65 (under 70% load only) USER INTERFACE, ALERTS & CONTROLS Switches 2 Switches control off/on power status and alarm-cancel/self-test operation</td><td>External Battery Pack Compatibility</td><td>Lite-UPS-Systems~BP72V15-2U">BP72V15-2U (limit 1); (quantity 1) Battery Replacement Description Hot-swappable, user replaceable batteries VOLTAGE REGULATION Voltage Regulation Description Online, double-conversion power conditioning Overvoltage Correction 2% output voltage regulation during overvoltages to 138 Undervoltage Correction 2% output voltage regulation during undervoltages to 80 Severe Undervoltage Correction 2% output voltage regulation during undervoltages to 65 (under 70% load only) USER INTERFACE, ALERTS & CONTROLS Switches 2 Switches control off/on power status and alarm-cancel/self-test operation</td><td>DC System Voltage (VDC)</td><td>72</td></tr><tr><td>Internal UPS Replacement Battery Cartridge Select-Tripp-Lite-SmartOnline-UPS~RBC96-3U" productlink"="">RBC96-3U">RBC96-3U"/A> (quantity 1) Battery Replacement Description Hot-swappable, user replaceable batteries VOLTAGE REGULATION Voltage Regulation Description Online, double-conversion power conditioning Overvoltage Correction 2% output voltage regulation during overvoltages to 138 Undervoltage Correction 2% output voltage regulation during undervoltages to 80 Severe Undervoltage Correction 2% output voltage regulation during undervoltages to 65 (under 70% load only) USER INTERFACE, ALERTS & CONTROLS Switches 2 Switches control off/on power status and alarm-cancel/self-test operation	Battery Recharge Rate (Included Batteries)	Less than 6 hours from 10% to 80%	
Select-Tripp-Lite-SmartOnline-UPS~RBC96-3U Battery Replacement Description Hot-swappable, user replaceable batteries VOLTAGE REGULATION Voltage Regulation Description Online, double-conversion power conditioning Overvoltage Correction 2% output voltage regulation during overvoltages to 138 Undervoltage Correction 2% output voltage regulation during undervoltages to 80 Severe Undervoltage Correction 2% output voltage regulation during undervoltages to 65 (under 70% load only) USER INTERFACE, ALERTS & CONTROLS Switches 2 Switches control off/on power status and alarm-cancel/self-test operation	Battery Access	Front panel battery access door	
Voltage Regulation Description Online, double-conversion power conditioning Overvoltage Correction 2% output voltage regulation during overvoltages to 138 Undervoltage Correction 2% output voltage regulation during undervoltages to 80 Severe Undervoltage Correction 2% output voltage regulation during undervoltages to 65 (under 70% load only) USER INTERFACE, ALERTS & CONTROLS Switches 2 Switches control off/on power status and alarm-cancel/self-test operation		RBC96-3U (quantity 1)	
Voltage Regulation Description Online, double-conversion power conditioning Overvoltage Correction 2% output voltage regulation during overvoltages to 138 Undervoltage Correction 2% output voltage regulation during undervoltages to 80 Severe Undervoltage Correction 2% output voltage regulation during undervoltages to 65 (under 70% load only) USER INTERFACE, ALERTS & CONTROLS Switches 2 Switches control off/on power status and alarm-cancel/self-test operation	Battery Replacement Description	Hot-swappable, user replaceable batteries	
Overvoltage Correction 2% output voltage regulation during overvoltages to 138 Undervoltage Correction 2% output voltage regulation during undervoltages to 80 Severe Undervoltage Correction 2% output voltage regulation during undervoltages to 65 (under 70% load only) USER INTERFACE, ALERTS & CONTROLS Switches 2 Switches control off/on power status and alarm-cancel/self-test operation	VOLTAGE REGULATION		
Undervoltage Correction 2% output voltage regulation during undervoltages to 80 Severe Undervoltage Correction 2% output voltage regulation during undervoltages to 65 (under 70% load only) USER INTERFACE, ALERTS & CONTROLS Switches 2 Switches control off/on power status and alarm-cancel/self-test operation	Voltage Regulation Description	Online, double-conversion power conditioning	
Severe Undervoltage Correction 2% output voltage regulation during undervoltages to 65 (under 70% load only) USER INTERFACE, ALERTS & CONTROLS Switches 2 Switches control off/on power status and alarm-cancel/self-test operation	Overvoltage Correction	2% output voltage regulation during overvoltages to 138	
USER INTERFACE, ALERTS & CONTROLS Switches 2 Switches control off/on power status and alarm-cancel/self-test operation	Undervoltage Correction	2% output voltage regulation during undervoltages to 80	
Switches 2 Switches control off/on power status and alarm-cancel/self-test operation	Severe Undervoltage Correction	2% output voltage regulation during undervoltages to 65 (under 70% load only)	
<u> </u>	USER INTERFACE, ALERTS & CONTROLS		
Alarm Cancel Operation Power-fail alarm can be silenced using alarm-cancel switch	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, economy/bypass mode, on-battery, overload, battery low, replace battery and fault status information; 4-LED meter displays load and battery charge levels		
SURGE / NOISE SUPPRESSION	SURGE / NOISE SUPPRESSION		
UPS AC Suppression Joule Rating	480		
UPS AC Suppression Response Time	Instantaneous		
UPS Dataline Suppression	1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet		
EMI / RFI AC Noise Suppression	Yes		
PHYSICAL			
Primary Form Factor	Tower		
Cooling Method	Fan		
Installation Form Factors Supported with Included Accessories	Tower		
Primary UPS Depth (mm)	521		
Primary UPS Height (mm)	259		
Primary UPS Width (mm)	229		
Shipping Dimensions (hwd / in.)	15.25 x 13.00 x 24.00		
Shipping Dimensions (hwd / cm)	38.74 x 33.02 x 60.96		
Shipping Weight (lbs.)	75.20		
Shipping Weight (kg)	34.11		
UPS Housing Material	Steel		
UPS Power Module Dimensions (hwd, cm)	25.91 x 22.86 x 52.07		
UPS Power Module Dimensions (hwd, in.)	10.2 x 9 x 20.5		
UPS Power Module Weight (kg)	31.43		
UPS Power Module Weight (lbs.)	69.3		
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)	1112.7		
AC Economy Mode BTU / Hr. (Full Load)	520.9		
AC Mode Efficiency Rating (100% Load)	88%		





AC Economy Mode Efficiency Rating (100% Load)	94%		
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	1219.3		
Audible Noise	<45 dB @ 1m		
COMMUNICATIONS			
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications		
PowerAlert Software	Included		
Communications Cable	USB and DB9 cabling included		
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications		
Communications Interface	USB (HID enabled); DB9 Serial; Contact closure; EPO (emergency power off); Slot for SNMP/Web interface		
LINE / BATTERY TRANSFER			
Transfer Time	No transfer time (0 ms.) in online, double-conversion mode		
Low Voltage Transfer to Battery Power (Setpoint)	175V (100% load), 80V (<50% load)		
High Voltage Transfer to Battery Power (Setpoint)	138		
FEATURES & SPECIFICATIONS			
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported		
High Availability UPS Features	Automatic inverter bypass; Hot swappable batteries		
Green Energy-Saving Features	High efficiency economy mode operation; Individually controllable load banks; Schedulable daily hours of economy mode operation		
WARRANTY & SUPPORT			
Product Warranty Period (Worldwide)	2-year limited warranty		
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 Ultimate Lifetime Insurance		

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