

#### Tripp Lite 1111 W. 35th Street Chicago, IL 60609 USA Telephone: 773.869.1234 www.tripplite.com

# TAA-Compliant SmartPro 230V 3kVA 2.25kW Line-Interactive Sine Wave UPS, Extended Run, SNMP, Webcard, 2U Rack/Tower, USB, DB9 Serial

## MODEL NUMBER: SMX3000RT2UTAA





### Description

Tripp Lite's SMX3000RT2UTAA is compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases. This intelligent, line interactive rack/tower uninterruptible power supply prevents data loss, downtime and equipment damage due to power outages, voltage fluctuations and transient surges. Requires only two rack spaces (2U) in a standard rack enclosure. Large internal batteries offer 11 minutes half load runtime and 4 minutes at full load. Runtime is expandable with optional BP48V24-2U or BP48V60RT-3U external battery packs. Maintains regulated 230V nominal output without using battery power during brownouts and overvoltages from 151 to 282V. 3000VA/2250 watt power handling capability and full time sine wave output offers guaranteed compatibility with networking, telecom and other sensitive electronic applications. Includes a total of 9 outlets with 3 load banks that are individually switchable via software interface to reboot select equipment on demand or shed less significant loads to extend battery runtime for more critical equipment. Supports simultaneous remote monitoring of UPS and site power conditions via built-in USB and DB9 monitoring ports. Includes PowerAlert UPS monitoring and unattended shutdown software with complete cabling. Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter. Emergency Power Off (EPO) interface offers option for instantaneous poweroff of UPS and connected equipment in the case of fire or emergency. Multi-function audible alarms and set of 5 front panel LEDs offer at-a-glance notification of UPS and line power status. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges and line noise. Attractive all-black color scheme.

#### Features

- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases
- SMX3000RT2UTAA line interactive UPS
- 3000VA/2250 watt power handling capability with sine wave output

### Highlights

- Federal Trade Agreements Act / TAA Compliant for GSA Schedule purchases
- 3kVA / 3000VA line interactive 2U rack/tower UPS; Sine wave output
- 230V nominal output during brownouts to 151V and overvoltages to 282V
- USB, RS232, EPO & optional SNMP/Web card are available for simultaneous use
- Detailed status LEDs; 3 switched output load banks
- C20 inlet; 8 C13 & 1 C19 outlets; Includes 3 C13 to C14 cables

#### **Package Includes**

- SMX3000RT2UTAA UPS System
- PowerAlert software with USB and DB9 cables
- Mounting hardware for 4 post rackmount applications
- Cable for Emergency Power Off interface
- Instruction manual with warranty information



- Supports 2U rackmount installation in 4 post equipment racks, 2 post rackmount installation requires 2POSTRMKITWM, upright tower installation requires 2-9USTAND accessory
- Large internal batteries support a half load of 1500VA for 11 minutes and a full load of 3000VA for 4 minutes
- Extended runtime is available with optional BP48V24-2U / BP48V242UTAA (limit 1) OR BP48V60RT3U / BP48V60RT3UTAA (no limit)
- Some external battery configurations require the use of Tripp Lite's External Battery Configuration Software (see manual)
- Maintains regulated 230V nominal output during brownouts and overvoltages from 151 to 282V
- Includes 9 UPS supported outlets arranged in 3 individually controllable load banks (2 outlets per bank) that can be powered off and back on again via software interface
- IEC320-C20 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles
- PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, email notification, event logging and running user-defined script commands
- Offers simultaneous monitoring through included USB and DB9 interface ports, or the monitoring by any number of additional servers over IP
- Emergency Power Off (EPO) interface with cable
- Supports Tripp Lite's WatchDog software application (requires optional WATCHDOGSW)
- Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter
- Emergency Power Off (EPO) interface with cable
- Multi-function audible alarms and set of 5 front panel LEDs
- Network-grade AC surge suppression
- UPS battery set ships fully assembled, no time consuming connection of internal batteries by user is necessary

# **Specifications**

OVERVIEW	
UPC Code	037332153364
UPS Type	Line-Interactive
INPUT	
Nominal Input Voltage(s) Supported	230V AC
UPS Input Connection Type	C20 inlet
UPS Input Connection Description	IEC320-C20 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles
Input Circuit Breakers	20A



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Input Phase	Single-Phase
OUTPUT	
Output Volt Amp Capacity (VA)	3000
Output kVA Capacity (kVA)	3
Output Watt Capacity (Watts)	2250
Output kW Capacity (kW)	2.2
Power Factor	0.8
Nominal Voltage Details	230v nominal inverter output voltage
Frequency Compatibility	50 / 60 Hz
Output Voltage Regulation (Line Mode)	-15%, +8%
Output Voltage Regulation (Battery Mode)	+/- 5%
Included Output Power Cables	Includes 3 C13 to C14 output power cables
Load Management Receptacles	Three switchable two-outlet C13 load banks
Output Circuit Breakers	10A (x2) - each breaker protects 4 C13 outlets, C19 outlet is unbreakered
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Output Receptacles	(8) C13; (1) C19
Individually Controllable Load Banks	No
BATTERY	
Full Load Runtime (min.)	4 min. (2250w)
Half Load Runtime (min.)	11 min. (1125w)
Expandable Battery Runtime	Extended runtime supported via optional external battery packs
Expandable Runtime	Yes
External Battery Pack Compatibility	<a class="productLink" href="//www.tripplite.com/External-48V-2U-Rack-Tower-Battery-Pack-Enclosure-DC-&lt;br&gt;Cabling-select-UPS-Systems~BP48V24-2U">BP48V24-2U</a> (limit 1); <a <br="" class="productLink">href="//www.tripplite.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS- Systems~BP48V60RT-3U"&gt;BP48V60RT-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS- Systems~BP48V60RT-3U"&gt;BP48V60RT-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-</a>
DC System Voltage (VDC)	48
Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90%
Battery Access	Front panel battery access door
Battery Access Internal UPS Replacement Battery Cartridge	Front panel battery access door <a class="productLink" href="//www.tripplite.com/2U-UPS-Replacement-48VDC-Battery-Cartridge-1-set-4-&lt;br&gt;select-Tripp-Lite-SmartPro-UPS~RBC94-2U">RBC94-2U</a>



VOLTAGE REGULATION		
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 151 to 282	
Overvoltage Correction	Input voltages between 245 and 282 are reduced by 12%	
Undervoltage Correction	Input voltages between 181 and 199 are boosted by 12%	
Severe Undervoltage Correction	Input voltages between 151 and 180 are boosted by 24%	
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; once silenced, alarm will re-sound to indicate low- battery status	
Audible Alarm	Audible alarm indicates power-failure, overload and low-battery conditions	
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status	
SURGE / NOISE SUPPRESSION		
UPS AC Suppression Joule Rating	480	
UPS AC Suppression Response Time	Instantaneous	
EMI / RFI AC Noise Suppression	Yes	
PHYSICAL		
Cooling Method	Fan	
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount	
Installation Form Factors Supported with Optional Accessories	2 post rackmount ( <a class="productLink" href="//www.tripplite.com/2-Post-Rack-Mount-Wall-Mount-Adapter-&lt;br&gt;Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM">2POSTRMKITWM</a> ); Wallmount ( <a class="productLink" href="//www.tripplite.com/2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS- Systems~2POSTRMKITWM"&gt;2POSTRMKITWM ); Tower ( <a <br="" class="productLink">href="//www.tripplite.com/2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND"&gt;2- 9USTAND</a> )</a 	
Primary Form Factor	Rackmount	
Primary UPS Depth (mm)	483	
Primary UPS Height (mm)	89	
Primary UPS Width (mm)	445	
Rack Height	2U	
Shipping Dimensions (hwd / cm)	22.86 x 59.69 x 50.80	
Shipping Dimensions (hwd / in.)	9.00 x 23.50 x 20.00	
Shipping Weight (kg)	32.93	
Shipping Weight (lbs.)	72.60	
UPS Housing Material	Steel	
UPS Power Module Dimensions (hwd, cm)	8.89 x 44.45 x 48.26	



UPS Power Module Dimensional     5.5 x 17.5 x 19       UPS Power Module Weight (kg)     28.03       UPS Power Module Weight (kg)     64       ENVIRONMENTAL     5.2 x 0.104 degrees Fahrenheit / 0 to 440 degrees Celsius       Storage Temperature Range     45 to 1122 degrees Fahrenheit / 15 to 450 degrees Celsius       Relative Mode STU / Hr. (Full Load)     286.6       Ratery Mod STU / Hr. (Full Load)     286.6       Rothord STU / Hr. (Full Load)     37.6       Conde STU / Hr. (Full Load)     37.6       Rothord STU / Hr. (Full Load)     37.6       Communications Rothord Stury     38.6       Rothord STU / Hr. (Full Load)     37.6       Communications Rothord Stury     37.6       Rothord Stury     38.6       Rothord Monitoring Port Description     Supports detailed monitoring of UPS and site power conditions; 1 USB port, 1 DB9 serial and 1 SNMP accessory Stury       Power/Alert Software     Icluded     Supports Watchdog application, OS and hard-reboot restart options for remote applications       Communications Rothor So     Supports Watchdog application, OS and hard-reboot restart options for SMMPAYDe interface       Iph VatabDQ Compatibility     Supports Watchdog application, OS and hard-reboot restart options for SMMPAYDE interface	[	
UPS Power Module Weight (bs.)     64       ENVIRONMENTAL     Constraints Range     432 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius       Storage Temperature Range     432 to +102 degrees Fahrenheit / 0 to +40 degrees Celsius       Relative Humidry     0 to 95%, non-condensing       AC Mode BTU / Hr. (Fuil Load)     238.6       Battery Mode BTU / Hr. (Fuil Load)     1245.3       AC Mode Efficiency Rating (100% degrees Fahrenheit / 015 and site power conditions; 1 USB port, 1 DB9 serial and 1 SNMP accessory       COMMUNICATIONS     Supports detailed monitoring of UPS and site power conditions; 1 USB port, 1 DB9 serial and 1 SNMP accessory       PowerAlert Software     Included       Communications Cable     USB and EB9 and EPO cabling included       Communications Interface     USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface       Une Voltage Transfer Time     2.4 milliseconds       LINE / BATTERY TRANSFERF     151       Vower (Selpoint)     Sign and EPO cabling included       Vower Selpoint)     Selp canting lug       Soft (Starting in Battery Mode Start operation supported     151       High Voltage Transfer to Battery     262       Sorterial Time     2.4 milliseconds       UNV Volt		3.5 x 17.5 x 19
ENVIRONMENTAL     Pervalues Range     +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius       Operating Temperature Range     +32 to +104 degrees Fahrenheit / 16 to +60 degrees Celsius       Storage Temperature Range     +35 to +122 degrees Fahrenheit / 16 to +60 degrees Celsius       Relative Humidiy     0 to 95%, non-condensing       AC Mode BTU / Hr. (Full Load)     236.6       Battery Mode BTU / Hr. (Full Load)     1245.3       AC Mode Efficiency Rating (100%)     97%       Ocommunications Port Description     Supports detailed monitoring of UPS and site power conditions; 1 USB port, 1 DB9 serial and 1 SNMP accessory       PowerAlert Software     Included       Communications Cable     USB and DB9 and EPO cabling included       WatchDog Compatibility     Supports Watchdog application, OS and hard-reboot restart options for remote applications       Communications Interface     USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface       Line / BATTERY TRANSFER     24 milliseconds       Line Woltage Transfer to Battery     24.0       Power Selepoint     151       High Voltage Transfer to Battery     28.2       Seccial FEATURES     Counding Lug       Grounding Lug     Back panel grounding lug <td>UPS Power Module Weight (kg)</td> <td>29.03</td>	UPS Power Module Weight (kg)	29.03
Operating Temperature Range     +32 to +104 degrees Fahrenheit / 10 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)     236.6       Battery Mode BTU / Hr. (Full Load)     1245.3       AC Mode Elficiency Rating (100%)     97%       COMMUNICATIONS     Supports detailed monitoring of UPS and site power conditions; 1 USB port, 1 DB9 serial and 1 SNMP accessory sol.       Power/Net Software     Included       Communications Cable     USB and DB9 and EPO cabling included       WatchDog Compatibility     Supports Watchdog application, OS and hard-reboot restart options for remote applications       Collage Transfer Time     2.4 milliseconds       Luc / BATTERY TRANSFER     282       Transfer Time     2.4 milliseconds       Ling Voltage Transfer to Battery Power (Stepton)     261       Stording Lug     Back panel grounding lug       Cold-start operation supported     Cold-start operation supported       Wing Power Failure)     Cold-start operation supported       High Availability UPS Features     Features       Grounding Lug     Back panel grounding lug	UPS Power Module Weight (lbs.)	64
Storage Temperature Range     45 to +122 degrees Fahrenheil /-15 to +50 degrees Celsius       Relative Humidity     0 to 95%, non-condensing       AC Mode BTU / Hr. (Full Load)     236.6       Battery Mode BTU / Hr. (Full Load)     1245.3       AC Mode Efficiency Rating (100%)     97%       COMMUNICATIONS     supports detailed monitoring of UPS and site power conditions; 1 USB port, 1 DB9 serial and 1 SNMP accessory       PowerAlert Software     Included       Communications Cable     USB and DB9 and EPO cabling included       WatchDog Compatibility     Supports Watchdog application, OS and hard-reboot restart options for remote applications       Communications Interface     USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface       LINE / BATTERY TRANSFER     151       Transfer Time     2-4 milliseconds       Low Voltage Transfer to Battery Power (Setpoint)     282       SPECIAL FEATURES     Cold-start operation supported       Grounding Lug     Back panel grounding lug       Cold start (Startup in Battery Mode)     Cold-start operation supported       High Availability UPS Features     Hot swappable batteries       Grounding Lug     Back panel grounding lug      Cold-start operation supported	ENVIRONMENTAL	
Relative Humidity     0 to 95%, non-condensing       AC Mode BTU / Hr. (Full Load)     236.6       Battery Mode BTU / Hr. (Full Load)     1245.3       AC Mode Efficiency Rating (100% Load)     97%.       COMMUNICATIONS     supports detailed monitoring of UPS and site power conditions; 1 USB port, 1 DB9 serial and 1 SNMP accessory       Power/Alert Software     Included       Communications Cable     USB and DB9 and EPO cabling included       WatchDog Compatibility     Supports Watchdog application, OS and hard-reboot restart options for remote applications       Communications Interface     USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface       LINE / BATTERY TRANSFER     2-4 milliseconds       Uow Voltage Transfer to Battery     282       SPECIAL FEATURES     282       Grounding Lug     Back panel grounding lug       Cold-start operations supported     Cid-start operation supported       Lingh Availability UPS Features     Greater than 95% efficiency - GREEN UPS; Individually controllable load banks       STANDARDS & COMPLIANCE     UPS Certifications	Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
AC Mode BTU / Hr. (Full Load)     236.6       Battery Mode BTU / Hr. (Full Load)     1245.3       AC Mode Efficiency Rating (100%)     97%       COMMUNICATIONS     supports detailed monitoring of UPS and site power conditions; 1 USB port, 1 DB9 serial and 1 SNMP accessory slov.       PowerAlert Software     Included       Communications Cable     USB and DB9 and EPO cabling included       WatchDog Compatibility     Supports Watchdog application, OS and hard-reboot restart options for remote applications       Communications Interface     USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface       LINE / BATTERY TRANSFER     2-4 milliseconds       Uow Voltage Transfer to Battery     242       Power (Serpoint)     151       Voltage Transfer to Battery     282       SPECIAL FEATURES     Cold-start operation supported       Grounding Lug     Back panel grounding lug       Cold Start (Starty in Battery Mode)     Cold-start operation supported       Umg Availability UPS Features     Groater than 95% efficiency - GREEN UPS; Individually controllable load banks       Groanding Lug     Greater than 95% efficiency - GREEN UPS; Individually controllable load banks       Groanding Lug     Greater than 95% efficiency - GREEN UPS; Individual	Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Battery Mode BTU / Hr. (Full Load)     1245.3       AC Mode Efficiency Rating (100% Load)     97%       COMMUNICATIONS     Supports detailed monitoring of UPS and site power conditions; 1 USB port, 1 DB9 serial and 1 SNMP accessory slot.       PowerAlert Software     Included       Communications Cable     USB and DB9 and EPO cabling included       WatchDog Compatibility     Supports Watchdog application, OS and hard-reboot restart options for remote applications       Communications Interface     USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface       LINE / BATTERY TRANSFER     151       Transfer Time     2-4 milliseconds       Low Voltage Transfer to Battery Power (Serpoint)     151       SPECIAL FEATURES     282       SPECIAL FEATURES     Cold-start operation supported       Uring a Power Failure)     Cold-start operation supported       High Availability UPS Features     Greater than 95% efficiency - GREEN UPS; Individually controllable load banks       STANDARDS & COMPLIANCE     UPS Certifications	Relative Humidity	0 to 95%, non-condensing
AC Mode Efficiency Rating (100% Load)     97%       COMMUNICATIONS     Supports detailed monitoring of UPS and site power conditions; 1 USB port, 1 DB9 serial and 1 SNMP accessory slot.       Network Monitoring Port Description     Supports detailed monitoring of UPS and site power conditions; 1 USB port, 1 DB9 serial and 1 SNMP accessory slot.       PowerAlert Software     Included       Communications Cable     USB and DB9 and EPO cabling included       WatchDog Compatibility     Supports Watchdog application, OS and hard-reboot restart options for remote applications       Communications Interface     USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface       Line / BATTERY TRANSFER     Transfer Time     2.4 milliseconds       Low Voltage Transfer to Battery Power (Setpoint)     151     282       SPECIAL FEATURES     Cold-start operation supported     Cold-start operation supported       Uring a Power Failure)     Back panel grounding lug     Cold-start operation supported       Uring Availability UPS Features     Greater than 95% efficiency - GREEN UPS; Individually controllable load banks       StanDARDS & COMPLIANCE     UPS Certifications     Tested to UL1778 (USA); CE; Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances);	AC Mode BTU / Hr. (Full Load)	236.6
Load)     BY A       COMMUNICATIONS     Supports detailed monitoring of UPS and site power conditions; 1 USB port, 1 DB9 serial and 1 SNMP accessory slot.       PowerAlert Software     Included       Communications Cable     USB and DB9 and EPO cabling included       WatchDog Compatibility     Supports Watchdog application, OS and hard-reboot restart options for remote applications       Communications Interface     USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface       LINE / BATTERY TRANSFER     2.4 milliseconds       Low Voltage Transfer to Battery     151       Power (Setpoint)     282       SPECIAL FEATURES     282       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       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 Energy-Saving Features     Greater than 95% efficiency - GREEN UPS; Individually controllable load banks       STANDAROS & COMPLIANCE     Tested to UL1778 (USA); CE; Meets	Battery Mode BTU / Hr. (Full Load)	1245.3
Network Monitoring Port Description     Supports detailed monitoring of UPS and site power conditions; 1 USB port, 1 DB9 serial and 1 SNMP accessory site.       PowerAlert Software     Included       Communications Cable     USB and DB9 and EPO cabling included       WatchDog Compatibility     Supports Watchdog application, OS and hard-reboot restart options for remote applications       Communications Interface     USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface       LINE / BATTERY TRANSFER     Transfer Time     2-4 milliseconds       Low Voltage Transfer to Battery Power (Selpoint)     151     282       SPECIAL FEATURES     gae     Cold-start operation supported       Uning a Power Failure)     Cold-start operation supported     Cold-start operation supported       High Availability UPS Features     Greater than 95% efficiency - GREEN UPS; Individually controllable load banks       Greater Energy-Saving Features     Greater than 95% efficiency - GREEN UPS; Individually controllable load banks		97%
Include     Included       PowerAlert Software     Included       Communications Cable     USB and DB9 and EPO cabling included       WatchDog Compatibility     Supports Watchdog application, OS and hard-reboot restart options for remote applications       Communications Interface     USB (HID enabled); DB9 Serial; EPO (emergency power off); Stot for SNMP/Web interface       LINE / BATTERY TRANSFER     2-4 milliseconds       Transfer Time     2-4 milliseconds       Low Voltage Transfer to Battery     151       Power (Serpoint)     282       SPECIAL FEATURES     24 point grounding lug       Grounding Lug     Back panel grounding lug       Cold-start operation supported     Cold-start operation supported       High Availability UPS Features     Greater than 95% efficiency - GREEN UPS; Individually controllable load banks       Graunding Features     Greater than 95% efficiency - GREEN UPS; Individually controllable load banks	COMMUNICATIONS	
Communications Cable     USB and DB9 and EPO cabling included       WatchDog Compatibility     Supports Watchdog application, OS and hard-reboot restart options for remote applications       Communications Interface     USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface       LINE / BATTERY TRANSFER     Transfer Time     2-4 milliseconds       Low Voltage Transfer to Battery     151     282       Vower (Setpoint)     282     282       SPECIAL FEATURES     Sack panel grounding lug     Cold-start operation supported       Cond Start (Startup in Battery Mode)     Cold-start operation supported     Cold-start operation supported       High Availability UPS Features     Hot swappable batteries     Greene Energy-Saving Features     Greater than 95% efficiency - GREEN UPS; Individually controllable load banks       STANDARDS & COMPLIANCE     UPS Certifications     Tested to UL1778 (USA); CE; Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances);	Network Monitoring Port Description	
WatchDog Compatibility     Supports Watchdog application, OS and hard-reboot restart options for remote applications       Communications Interface     USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface       LINE / BATTERY TRANSFER     Image: Communication interface       Transfer Time     2-4 milliseconds       Low Voltage Transfer to Battery     151       Power (Setpoint)     282       SPECIAL FEATURES     282       Grounding Lug     Back panel grounding lug       Cold Start (Startup in Battery Mode)     Cold-start operation supported       High Availability UPS Features     Hot swappable batteries       Green Energy-Saving Features     Greater than 95% efficiency - GREEN UPS; Individually controllable load banks       STANDARDS & COMPLIANCE     UPS Certifications	PowerAlert Software	Included
Communications Interface     USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface       LINE / BATTERY TRANSFER     Image: Communication of the state of	Communications Cable	USB and DB9 and EPO cabling included
LINE / BATTERY TRANSFER     Transfer Time   2-4 milliseconds     Low Voltage Transfer to Battery   151     Power (Setpoint)   282     SPECIAL FEATURES   282     Grounding Lug   Back panel grounding lug     Cold Start (Startup in Battery)   Cold-start operation supported     High Availability UPS Features   Hot swappable batteries     Green Energy-Saving Features   Greater than 95% efficiency - GREEN UPS; Individually controllable load banks     STANDARDS & COMPLIANCE   UPS Certifications	WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Transfer Time   2-4 milliseconds     Low Voltage Transfer to Battery   151     High Voltage Transfer to Battery   282     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   Greater than 95% efficiency - GREEN UPS; Individually controllable load banks     STANDARDS & COMPLIANCE   Tested to UL1778 (USA); CE; Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances);	Communications Interface	USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
Low Voltage Transfer to Battery   151     High Voltage Transfer to Battery   282     SPECIAL FEATURES   Eack panel grounding lug     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 Energy-Saving Features   Greater than 95% efficiency - GREEN UPS; Individually controllable load banks     STANDARDS & COMPLIANCE   Tested to UL1778 (USA); CE; Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances);	LINE / BATTERY TRANSFER	
Power (Setpoint)   151     High Voltage Transfer to Battery Power (Setpoint)   282     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 Energy-Saving Features   Greater than 95% efficiency - GREEN UPS; Individually controllable load banks     STANDARDS & COMPLIANCE   UPS Certifications	Transfer Time	2-4 milliseconds
Power (Setpoint)   202     SPECIAL FEATURES   Seck panel grounding lug     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 Energy-Saving Features   Greater than 95% efficiency - GREEN UPS; Individually controllable load banks     STANDARDS & COMPLIANCE   UPS Certifications     UPS Certifications   Tested to UL1778 (USA); CE; Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances);	Low Voltage Transfer to Battery Power (Setpoint)	151
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 Energy-Saving Features   Greater than 95% efficiency - GREEN UPS; Individually controllable load banks     STANDARDS & COMPLIANCE   UPS Certifications     UPS Certifications   Tested to UL1778 (USA); CE; Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances);	High Voltage Transfer to Battery Power (Setpoint)	282
Cold Start (Startup in Battery Mode During a Power Failure)   Cold-start operation supported     High Availability UPS Features   Hot swappable batteries     Green Energy-Saving Features   Greater than 95% efficiency - GREEN UPS; Individually controllable load banks     STANDARDS & COMPLIANCE   UPS Certifications     Tested to UL1778 (USA); CE; Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances);	SPECIAL FEATURES	
During a Power Failure)   Cond-start operation supported     High Availability UPS Features   Hot swappable batteries     Green Energy-Saving Features   Greater than 95% efficiency - GREEN UPS; Individually controllable load banks     STANDARDS & COMPLIANCE   UPS Certifications     Tested to UL1778 (USA); CE; Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances);	Grounding Lug	Back panel grounding lug
Green Energy-Saving Features   Greater than 95% efficiency - GREEN UPS; Individually controllable load banks     STANDARDS & COMPLIANCE     UPS Certifications   Tested to UL1778 (USA); CE; Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances);	Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
STANDARDS & COMPLIANCE     UPS Certifications   Tested to UL1778 (USA); CE; Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances);	High Availability UPS Features	Hot swappable batteries
UPS Certifications Tested to UL1778 (USA); CE; Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances);	Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
	STANDARDS & COMPLIANCE	
	UPS Certifications	
Certification Details CE / IEC 62040	Certification Details	CE / IEC 62040



WARRANTY		
Product Warranty Period (International)	2-year limited warranty	
Product Warranty Period (Mexico)	2-year limited warranty	
Product Warranty Period (Puerto Rico)	2-year limited warranty	

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