



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

Model #: SM3000RMNAFTA

Smart Pro line interactive 2U Rack/Tower Extended Run UPS - NAFTA assembled version of SMART3000RM2U

Highlights

- 3000VA 120V 60Hz Sine Wave 2U Expandable Rack/Tower UPS
- Dual Boost AVR Corrects Brownouts to 79V and Overvoltages to 147V
- Multiple interfaces - 2 USB, 2 DB9 and SNMPWEBCARD Slot
- Integrated Switched PDU with Current Monitoring and 3 Controllable Load Banks
- 9 Outlets (4 5-15R / 4 5-15/20R / 1 L5-30R), NEMA L5-30P input (5-20P included)
- \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)



Description

3000VA line interactive UPS for server, network and telecommunications equipment/2U rackmount form factor/Corrects brownouts and overvoltages from 79 to 147/Sine wave output/Uninterruptible Power Supply (UPS) maintains battery derived AC output during blackouts and severe voltage fluctuations/Expandable runtime with optional external battery packs/9 output receptacles/NEMA L5-30P input plug, NEMA 5-20P replacement plug included/Network-grade AC surge and noise suppression/Network management interfaces include 2 USB ports, 2 DB9 serial ports and SNMPWEBCARD slot/Supports simultaneous detailed monitoring of equipment load levels, self-test data and mains power conditions via all 5 network interfaces at once/Includes PowerAlert monitoring software and complete cabling/Emergency Power Off (EPO) interface/Integrated 3 bank switched PDU/3 stage metered current monitoring and battery charge LEDs/Mains power and voltage regulation LEDs/Audible alarm/Self-test/4 post rack mounting accessories/2-9U STAND and 2-POST RM KIT accessories available/Field replaceable, hot swappable internal batteries and battery packs/Attractive all-black UPS design/Two year warranty with \$250,000 [connected equipment insurance](#)/Extended warranty and service contracts available

Package Includes

- SM3000RMNAFTA
- PowerAlert Software and cabling
- Mounting hardware for 4 post rackmount installation
- Warranty information
- Instruction manual

Features

- 3000VA / 2250 watt output power capacity compatible with North American 120V / 60Hz power
- 2U rack/tower UPS installs in standard 19 inch rack enclosures with an installed depth of only 18 inches
- Protects sensitive networking equipment from blackouts, voltage fluctuations and transient surges
- Line interactive Automatic Voltage Regulation (AVR) corrects inputs from 79-147VAC back to usable 120V levels without consuming battery power
- Dual boost AVR circuits boost undervoltages by 14% or 24% depending on the severity and reduces overvoltages by 12%
- Network interfaces support simultaneous communications via 2 USB, 2 DB9 serial and SNMPWEBCARD slot
- Included PowerAlert UPS monitoring software supports safe unattended shutdown, monitoring and control via local connected servers, plus any number of additional servers over IP

- Communications ports support on-battery, low-battery, power-restored, AC-voltage, DC-voltage, output current monitoring, battery charge current, battery capacity, internal UPS temperature, AC line frequency, timed inverter shutoff, activate self-test and load bank output power control
- Built in Emergency Power Off (EPO) interface with cable
- Sine wave output in AC and battery modes
- Expandable runtime with optional battery packs BP48V24-2U (limit 1) and BP48V60RT-3U (multi-pack compatible)
- Half load runtime of 11 minutes (1125 watts)
- Full load runtime of 4 minutes (2250 watts)
- Includes 9 output receptacles arranged in 3 load banks (4 NEMA 5-15R / 4 NEMA 5-15/20R / 1 NEMA L5-30R)
- Ships with NEMA L5-30P input plug, user installable NEMA 5-20P replacement plug included
- Integrated 3 bank switched PDU enables remote outlet management for load shedding or remote reboot of individual devices
- 3 stage metered LEDs offer current monitoring and battery charge level
- Mains power and voltage regulation LEDs offer at-a-glance power status information
- Front panel switches support self-test and alarm cancel functions
- Included UPSRMR11 adjustable mounting rails support installation in 19 inch racks with a front-to-rear depth of 23.5 and 36.5 inches (add a 2nd UPSRMR11 accessory to extend the reach to 35.25 to 49.5 inches)
- UPS ships fully assembled in full compliance with DOT regulations, no time consuming connection of internal batteries by user required
- Supports 2 post rackmount and wallmount installation with optional 2POSTRMKITWM accessory
- Supports upright tower placement with optional 2-9USTAND accessory
- UL (USA), cUL (Canada), NOM (Mexico), FCC Class A (Emissions) listed
- 2 year manufacturer's product warranty, \$250,000 Ultimate Lifetime Insurance

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	3000
Output kVA capacity (kVA)	3
Output Watt Capacity (watts)	2250
Output kW capacity	2.2
Output power factor	0.8
Nominal Output Voltage(s) Supported	120V
Frequency compatibility	60 Hz
Output voltage regulation (line mode)	-18%, +8%
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	4 5-15R outlet(s); 4 5-15/20R outlet(s); 1 L5-30R outlet(s)
Built-in controllable switched load banks	Three switchable single-outlet 5-15R load banks
Output circuit breaker	20A (x2) - each breaker protects 4 5-15/20R outlets, L5-30R is unbreakered
Basic PDU options	PDU2430 (1U / 24 5-15R outlets)
Metered PDU options	PDUMV30 (0U / 24 5-15/20R outlets)
Switched PDU options	PDUMH30NET (2U / 16 5-15/20R outlets); PDUMV30NET (0U / 24 5-15/20R outlets)
Output AC waveform (AC mode)	Sine wave

Output AC waveform (battery mode)	Pure Sine wave
INPUT	
Rated input current (at maximum load)	24A
Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	L5-30P
Input circuit breaker	30A
UPS Input cord length (ft.)	10
UPS Input cord length (m)	3
Recommended Electrical Service	30A 120V
BATTERY	
Full load runtime (minutes)	4 min. (2250w)
Half load runtime (minutes)	11 min. (1125w)
Expandable battery runtime	Extended runtime supported via optional external battery packs
External battery pack compatibility	BP48V24-2U (limit 1); BP48V60RT3U (multi-pack compatible); BP48V60-3UNAFTA (multi-pack compatible)
DC system voltage (VDC)	48
Battery recharge rate (included batteries)	Less than 4.5 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	RBC94-2U
Battery Access	Front panel battery access door
Battery replacement description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage regulation description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 79 to 147
Overvoltage correction	Input voltages between 128 and 147 are reduced by 12%
Undervoltage correction	Input voltages between 95 and 104 are boosted by 12%
Severe undervoltage correction	Input voltages between 79 and 94 are boosted by 24%
LEDS ALARMS & SWITCHES	
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
Alarms	Audible alarm indicates power-failure, overload and low-battery conditions

Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
SURGE / NOISE SUPPRESSION	
UPS AC suppression joule rating	480
UPS AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Installation form factors supported with included accessories	4 post 19 inch rackmount (mounting rail kit included)
Included mounting accessory description	Adjustable mounting rail kit included
Installation form factors supported with optional accessories	2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND)
Primary form factor	Rackmount
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	3.5 x 17.5 x 19
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	8.9 x 44.4 x 48.3
Installed whole system total rack space height (rack spaces)	2U
Secondary form factor	Tower (requires 2-9USTAND)
Installed whole system dimensions in secondary form factor (height x width x depth / inches)	17.5 x 3.5 x 19
UPS dimensions in secondary form factor (height x width x depth / cm)	44.4 x 8.9 x 48.3
UPS / Power Module weight (lbs)	64
UPS / Power Module weight (kg)	29.1
UPS Shipping dimensions (height x width x depth / inches)	9 x 23.5 x 20
UPS Shipping dimensions (height x width x depth / cm)	22.9 x 59.7 x 50.8
Shipping weight (lbs)	72

Shipping weight (kg)	32.7
UPS housing material	Steel
Cooling method	Fan
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)	318.8
Battery mode BTU / hr. (full load)	1457.1
COMMUNICATIONS	
Communications interface	USB; DB9 Serial; Contact closure
Network monitoring port description	Supports detailed monitoring of UPS and site power conditions; 2 USB ports, 1 DB9 serial and 1 DB9 contact closure port (4 total)
PowerAlert software	Included
Communications cable	USB and DB9 cabling included
WatchDog compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
LINE / BATTERY TRANSFER	
Transfer time	2-4 milliseconds
Low voltage transfer to battery power (setpoint)	79
High voltage transfer to battery power (setpoint)	147
SPECIAL FEATURES	
Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
High availability UPS features	Hot swappable batteries
Green & high efficiency features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
CERTIFICATIONS	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI); ROHS (Reduction of Hazardous Substances)
WARRANTY	
Product Warranty Period (U.S., Canada & Puerto Rico)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 Ultimate Lifetime Insurance

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
External Battery Packs	BP48V24-2U	BP48V242U - External Battery Pack for UPS System	-
External Battery Packs	BP48V60RT-3U	External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector	-
Surge Protectors	DNET1	Network Surge Suppressor - Essential protection for data and communication lines	-
Surge Protectors	DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	-
Extended Warranties	WEXT3-2200-3000	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA	-
Extended Warranties	WEXT5-2200-3000	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA or less	-
Power Distribution	PDU1220	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
Power Distribution	PS7224-20	Tripp Lite Power Strip - Multiple outlets wherever you need them	-
Tower Stands	2-9USTAND	Enables Tower Placement of Rackmount UPS Systems	-
SNMP Accessories	SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	-
SNMP Accessories	ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	-
USB Hubs/Accessories	U022-010	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	-
Rackmount/Wallmount Kits	2POSTRMKITWM	Enables 2-Post Rackmount or Wallmount Installation of Select Rackmount UPS Systems	-
Audio Cables	CT120	Instant-Read- AC Outlet Circuit Tester	-

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3541.

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