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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)
- **This product is ENERGY STAR qualified for its ability to save customers money while helping to protect the environment**



Description

3000VA line interactive UPS system for server, network and telecommunications equipment. 2U rackmount or tower form factor with an installed depth of only 19 inches. Expandable battery runtime with optional BP48V24-2U and BP48V60RT-3U external battery packs. Uninterruptible Power Supply (UPS) switches to battery-derived AC output during power failures and extreme voltage variations. Line interactive Automatic Voltage Regulation (AVR) offers two levels of voltage boost during brownouts and one level of voltage cut during overvoltages to maintain regulated 120v output over an input range of 79-147V. Includes L5-30P input plug and both 5-15/20R and L5-30R output receptacles. Network-grade AC surge and noise suppression. Network management interfaces support communications via USB, DB9 serial and SNMPWEBCARD slot. HID-compliant USB interface enables full 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 at once. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. Integrated 3-bank PDU switching supports load shedding and remote-reboot of connected equipment. 3-stage metered current monitoring and battery charge status LEDs. Utility power and voltage regulation LEDs. Audible alarm. Self-test. 4-post rackmount accessories included; 2-9USTAND tower kit and 2POSTRMKITWM two post rack & wallmount accessories available. Field-replaceable, hot-swappable internal batteries and external battery packs. Attractive all-black color scheme.

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)
- Some external battery configurations require the use of Tripp Lite's [External Battery Configuration Software](#) (see manual)
- 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
- \$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
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); BP48V60RT-3U (multi-pack compatible); BP48V60-3UNAFTA (multi-pack compatible); BP48V27-2US (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	
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 dimensions in secondary form factor (height x width x depth / cm)	44.4 x 8.9 x 48.3
Rack Height	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
Cooling method	Fan
UPS housing material	Steel

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 (Restriction of Hazardous Substances); ENERGY STAR Qualified
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 Ultimate Lifetime Insurance

Related Items

Optional Products

Related Model	Description	Qty.
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BP48V24-2U	BP48V242U - External Battery Pack for UPS System	1
BP48V60RT-3U	External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector	1
CT120	Instant-Read- AC Outlet Circuit Tester	1
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	1
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	1
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	1
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	1
PDU1220	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	1
PS7224-20	Tripp Lite Power Strip - Multiple outlets wherever you need them	1
SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	1
U022-010	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	1
WEXT3-2200-3000	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA	1
WEXT5-2200-3000	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA or less	1
2-9USTAND	Enables Tower Placement of Rackmount UPS Systems	1
2POSTRMKITWM	Enables 2-Post Rackmount or Wallmount Installation of Select Rackmount UPS Systems	1

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

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