Smart Pro 2U Rack/Tower Extended Run UPS

Line interactive, sine wave UPS with integrated switched PDU and current monitoring

Cisco Compatible

Cisco Systems | Technology Developer Partner

Model #: SMART2600RM2U

- 2600VA 120V 60Hz Sine Wave 2U Expandable Rack/Tower UPS
- Battery Independent, 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 L5-20R), NEMA 5-20P input (L5-30P included)
- $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

DESCRIPTION

2600VA 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 5-20P input plug, NEMA L5-30P 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 / 2-9USTAND and 2POSTRMKIT 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

KEY BUYING POINTS

- 2600VA / 2100 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 19 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 18 minutes with internal batteries, Add 1 BP48V24-2U for 49 minutes or 1 BP48V60RT-3U for 107 minutes (1300VA / 1050 watts)
- Full load runtime of 6 minutes with standard internal batteries, Add 1 BP48V24-2U for 22 minutes (2600VA / 2100 watts)
- Includes 9 output receptacles (4 NEMA 5-15R / 4 NEMA 5-15/20R / 1 NEMA L5-20R)
- Ships with NEMA 5-20P input plug, user installable NEMA L5-30P 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
- Line power and voltage regulation LEDs offer at-a-glance power status information
- Front panel switches support self-test and alarm cancel functions
- Included UPSRMRII 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 UPSRMRII 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 installation with optional 2POSTRMKIT 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

TYPICAL APPLICATIONS

- Ideal for protection of sensitive electronics in any application calling for upright tower or 19 inch rackmount UPS protection. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems.

OPTIONS & ACCESSORIES

- External battery pack: BP48V60RT3U or BP48V242U
- SNMP accessories: SNMPWEBCARD, ENVIROSENSE
- USB Hubs-accessories: U202-004-R, U205-004-R, U022-010
- Dataline protectors: DNET1, DTEL2, DCATV
- Rack enclosures: SRNET45UB, SR45U, SR45UB, SRX24UB
- Circuit Tester: CT120
- Power distribution: PDU1220, PS7224-20
- Tower Stands: 2-9USTAND
- Two Post Rackmount Kit: 2POSTRMKIT
- Extended warranties: 3 Year WEXT3-2200-3000, 5 Year WEXT5-2200-3000

PACKAGE INCLUDES

- SMART 2600RM2U UPS System
- PowerAlert Software and cabling
- Mounting hardware for 4 post rackmount installation
- Warranty information
- Instruction manual

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW

System overview:	Smart Pro line interactive 2U expandable rack / tower UPS with integrated switched PDU
Voltage compatibility:	120 VAC
Frequency compatibility:	60 Hz

OUTPUT

Output volt amp capacity (VA):	2600
Output watt capacity (watts):	2100
Output nominal voltage:	120V AC
Output voltage regulation:	LINE MODE: Sine wave line voltage 120V (-18% / +8%), BATTERY MODE: Sine wave output 120V +/-5%
Output frequency regulation:	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Outlet quantity / type:	9 outlets (4 NEMA 5-15R, 4 NEMA 5-15/20R, 1 NEMA L5-20)

Customized load management receptacles:	3 individually controllable outlets support automated load shedding and remote reboot on demand of locked network devices. Configurable via PowerAlert software to automatically switch off optional loads, like monitors, to increase available runtime for servers and other critical devices.
Overload protection:	Resettable circuit breaker

INPUT

Maximum input amps:	24A
Input connection type:	NEMA 5-20P (includes user installable NEMA L5-30P replacement plug)
Input cord length:	10 ft., 10 gauge
Recommended electrical service:	30A 120V

BATTERY

Full load runtime:	6 minutes (2600VA)
Half load runtime:	18 minutes (1300VA)
Expandable battery runtime:	Supports extended runtime with optional external battery packs BP48V242U (limit 1) and BP48V60RT3U (multi-pack compatible)
DC system voltage:	48 VDC
Typical battery lifespan:	3-6 years, depending on usage
Battery recharge rate:	2-4 hours to 90%

VOLTAGE REGULATION

Voltage regulation description:	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 79V and overvoltages to 147V
Overvoltage correction:	Input voltages between 128 and 147VAC are reduced by 12%
Direct pass through:	Input voltages between 105 and 127VAC are passed on to connected equipment unchanged
Brownout correction:	Input voltages between 95 and 104VAC are boosted by 12%
Severe brownout correction:	Input voltages between 79 and 94VAC are boosted by 24%

LEDS ALARMS & SWITCHES

Front panel LEDs:	5 front panel LEDs - Green POWER LED, Green VOLTAGE CORRECTION LED, 3 color BATTERY CHARGE LED, 3 color OUTPUT LOAD LED, red BATTERY WARNING LED
Alarms:	3 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)
Switches:	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions

SURGE / NOISE SUPPRESSION

AC surge suppression:	1800 joules
AC suppression response time:	Instantaneous
EMI / RFI AC noise suppression:	Yes

PHYSICAL

Shipping weight (lbs):	72
Shipping weight (kg):	32.7
Unit weight (lbs):	64
Unit weight (kg):	29.1
Unit Dimensions (HWD/in):	3.5 x 17.5 x 19
Unit Dimensions (HWD/cm):	8.89 x 44.5 x 48.3
Shipping Dimensions (HWD/in):	9 x 23.5 x 20

Shipping Dimensions (HWD/cm):	22.9 x 59.7 x 50.8
Material of construction:	Steel
Form factors supported:	Ships with all accessories required for 2U rackmount installation in a 4 post rack enclosure, 2 post rackmount supported with optional 2POSTRMKIT, supports tower installation with optional 2-9USTAND
Cooling method:	Built-in cooling fan
Battery Access:	Battery access door allows hot swap battery replacement without powering connected equipment off

ENVIRONMENTAL

Operating Temperature:	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature:	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity:	0 to 95%, non-condensing
Line mode BTU/hr. (Max.):	285.4 BTU/hr.

COMMUNICATIONS

Network monitoring port:	Includes 4 built-in monitoring ports, 2-USB & 2-DB9. Each supports on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, internal UPS temperature and line frequency status messaging. Interface supports timed inverter shutoff after unattended shutdown, activate self-test and 10 second reboot of connected equipment. Supports reboot of all connected devices at once via software interface. Compatible with Tripp Lite's PowerAlert software.
Software and cabling included:	Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Ships with 4 cables, 2-USB & 2-DB9
SNMP compatibility:	Built-in accessory slot accommodates internal SNMP / Web card and other network accessories
WatchDog compatibility:	Yes, compatible with Tripp Lite's WatchDog system service software to restore operation to locked equipment through soft reboot of applications / OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications

LINE / BATTERY TRANSFER

Transfer time from line power to battery mode:	2-4 milliseconds
Low voltage transfer to battery power:	79V (resets to line power as voltage increases to 83V)
High voltage transfer to battery power:	147V (resets to line power as voltage decreases to 144V)

CERTIFICATIONS

Certifications:	UL1778 (USA), cUL (Canada), FCC Class A (emissions), NOM (Mexico)

WARRANTY

Optional coverage:	3 year, 5 year, next day and on-site warranty coverage available for select opportunities - contact Tripp Lite
Product warranty:	2 year product warranty
Connected equipment insurance (USA and Canada Only):	$250,000 connected equipment insurance (USA / Canada only)

SPECIAL FEATURES

EPO port:	Includes RJ11 EPO (emergency power off) port and interconnection cable
TVSS grounding:	Includes back panel grounding point with thumbscrew for data line surge suppressors and other network accessories requiring a safe grounding point
Cold Start:	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance:	Attractive all-black color scheme

BATTERY PACK ACCESSORY (optional)

Battery Pack Accessory (optional):   BP48V24-2U (limit 1) and BP48V60RT3U (multi-pack compatible)

The policy of Tripp Lite is one of continuous improvement.
Specifications are subject to change without notice.
Therefore, your product may vary slightly from what is currently listed.

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