

SmartPro 120V 3kVA 2.88kW Line-Interactive Sine Wave UPS, 4U Short Depth, Extended Run, Network Card Options, USB, DB9

MODEL NUMBER: **SMART3000CRMXL**



Description

This SmartPro® compact rack-mount Uninterruptible Power Supply (UPS) offers line-interactive voltage regulation, network-grade surge suppression and long-lasting battery support for critical network hardware during blackouts and extended power failures. Special reduced-depth housing, larger internal batteries, higher rated wattage and included 2-post rack-mount installation hardware make these systems ideal for network and telecom wiring closets and other limited-space installations. Runtime is expandable with optional BP48V24-2U (limit 1), BP48V48RT4U (multi-pack compatible) and BP48V27-2US (multi-pack compatible) external battery packs.

SMART3000CRMXL 4U rack-mount 3000VA UPS offers battery-derived sine wave AC output during power failures and extreme voltage variations. Supports 3000VA/2880W when powered via included L5-30P input plug. Supports up to 3600VA/3600W when hardwired to a 120V 30A input source. Line-interactive Automatic Voltage Regulation (AVR) provides two levels of voltage boost during brownouts and one level of voltage cut during overvoltage conditions to maintain regulated 120V nominal output over an input range of 83-145V. Includes NEMA L5-30P input plug (or hardwire input), L5-30R and 5-15/20R output receptacles. Network management interfaces support communications via USB, RS-232 and installed Network Management Card option. HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows and macOS. Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via all three network interfaces at once. PowerAlert® UPS monitoring software is available via free download. Emergency Power Off (EPO) interface. Integrated three-bank programmable PDU switching supports load shedding and remote-reboot of up to three individual connected devices. Three-stage metered current monitoring and battery charge status LEDs. Utility power and voltage regulation LEDs. Audible alarm. Self-test. 2-post rack-mount accessories included; 2-9USTAND tower stands and 4POSTRAILKIT 4-post rack-mount kit available. Field-replaceable, hot-swappable internal batteries and external battery packs. Attractive all-black color scheme.

Features

- SmartPro Compact rack-mount Uninterruptible Power Supply (UPS) offers line interactive voltage regulation, network grade surge suppression and long lasting battery support for critical network hardware during blackouts and extended power failures
- Special reduced-depth housing, larger internal batteries, higher rated wattage and included 2-post rack-mount installation hardware makes these systems ideal for network and telecom wiring closets and other limited-space installations
- Runtime is expandable with optional BP48V24-2U (limit 1), BP48V48RT4U (multi-pack compatible) and BP48V27-2US (multi-pack compatible) external battery packs
- Some external battery configurations require the use of External Battery Configuration Software (see

Highlights

- 3kVA / 3000VA / 2880W line interactive 4U reduced-depth rack/tower UPS, Sine Wave
- Reduced depth housing is ideal for 2 post rackmount installations
- 97% line-mode efficiency, 3 switched load banks, 2-post mounting kit
- USB, RS232 and EPO and slot for network management card options
- 120V NEMA L5-30P or Hardwire input, 8 NEMA 5-15/20R and 1 L5-30R outlets
- To use the Auto Probe feature, this product requires a WEBCARDLX network interface (sold separately) running LX firmware update 15.5.2 or later

Package Includes

- SmartPro Compact 4U Rackmount UPS system
- 2 post rackmount installation brackets
- USB and Serial Cabling
- Owner's manual information



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manual)

- Intelligent battery management system extends battery life
- SMART3000CRMXL 4U rack-mount 3000VA/2880 watt UPS offers battery-derived sine wave AC output during power failures and extreme voltage variations
- Supports loading up to 3600 watts when hardwired
- Line interactive Automatic Voltage Regulation (AVR) provides two levels of voltage boost during brownouts and one level of voltage cut during overvoltage conditions to maintain regulated 120V nominal output over an input range of 83-145V
- Includes NEMA L5-30P input plug (hardwire line cord installation supported), L5-30R and 5-15/20R output receptacles
- Network management interfaces support simultaneous communications via USB port, DB9 serial port and installed Network Management Card option
- Compatible with UPS management card options WEBCARDLX, SNMPWEBCARD and RELAYIOCARD
- HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows and macOS
- 97% efficiency in line power mode offers substantially lower operating costs than lower efficiency UPS types
- Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces at once
- USB & Serial ports enable data-saving unattended shutdown when used with PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert
- Emergency Power Off (EPO) interface
- Integrated 3-bank programmable PDU switching supports load shedding and remote-reboot of up to 3 individual connected devices
- 3-stage metered current monitoring and battery charge status LEDs; Utility power and voltage regulation LEDs; Audible alarm; Self-test
- 2-post rack-mount accessories included; 2-9USTAND tower stands and 4POSTRAILKIT 4-post rack-mount kit available
- Field-replaceable, hot-swappable internal batteries and external battery packs
- Attractive all-black color scheme

Specifications

OVERVIEW	
UPC Code	037332142375
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	24A (L5-30P input), 30A (hardwire)
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	L5-30P; Hardwire
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	120V 30A
Voltage Compatibility (VAC)	120



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OUTPUT	
Output Capacity (VA)	3000
Output Capacity (kVA)	3
Output Capacity (Watts)	2880
Output Capacity (kW)	2.88
Output Capacity Details	Maximum output increases to 3600W when used with hardwire input
Power Factor	.96
Nominal Voltage Details	120v nominal output in battery mode
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-18%, +8%
Output Voltage Regulation (Battery Mode)	+/-5%
Load Management Receptacles	Three switchable single-outlet 5-15/20R load banks
Output Circuit Breakers	20A (x2) - each 20A breaker protects 4 5-15/20R outlets / 30A breaker protects L5-30R
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	110V; 115V; 120V
Output Receptacles	(8) 5-15/20R; (1) L5-30R
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	7.5 min. (2880W)
Runtime Half Load (min.)	19 min. (1440W)
Expandable Runtime	Yes
External Battery Pack Compatibility	BP48V24-2U > BP48V24-2U (limit 1); BP48V48RT4U > BP48V48RT4U (multi-pack compatible); BP48V27-2US > BP48V27-2US (multi-pack compatible)
DC System Voltage (VDC)	48
Battery Recharge Rate (Included Batteries)	Less than 7.2 hours from 10% to 90% (typical, full load discharge)
Battery Access	Battery access door allows hot swap battery replacement without powering connected equipment off
Internal UPS Replacement Battery Cartridge	RBC94-2U > RBC94-2U (quantity 2)
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 83V and overvoltages to 145V

Overvoltage Correction	Input voltages between 127 and 145V AC are reduced by 12%
Undervoltage Correction	Input voltages between 96 and 108 are boosted by 12%
Severe Undervoltage Correction	Input voltages between 83 and 95 are boosted by 24%
USER INTERFACE, ALERTS & CONTROLS	
Switches	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions. Back panel includes battery charge level switch for internal or external battery configurations
Audible Alarm	3 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)
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	570
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Rackmount
Rack Height	4U
Cooling Method	Fan
Included Mounting Accessory Description	Included 2POSTRMKITWM mounting accessory enables 2-post rackmount installation
Installation Form Factors Supported with Included Accessories	2 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	4 post rackmount full-depth (4POSTRAILKIT); 4 post rackmount short-depth (4POSTRAILKITWM); Tower (2-9USTAND)
Minimum Required Rack Depth (cm)	53.34
Minimum Required Rack Depth (inches)	21
Minimum Required Rack Depth with External Battery Pack (cm)	64
Minimum Required Rack Depth with External Battery Pack (in.)	25
Minimum Required Rack Depth without External Battery Pack (cm)	58
Minimum Required Rack Depth without External Battery Pack (in.)	22.8
Optional Mounting Accessory Notes	Optional 2-9USTAND ; enables upright tower UPS placement; 4POSTRAILKIT ; mounting bracket enables installation in 4 post racks from 20.5 to 36 inches; 4POSTRAILKITWM ; enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm)



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Primary UPS Depth (mm)	452
Primary UPS Height (mm)	175
Primary UPS Width (mm)	439
Shipping Dimensions (hwd / in.)	13.00 x 23.50 x 22.50
Shipping Dimensions (hwd / cm)	33.02 x 59.69 x 57.15
Shipping Weight (lbs.)	128.50
Shipping Weight (kg)	58.29
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	17.50 x 43.94 x 45.21
UPS Power Module Dimensions (hwd, in.)	6.89 x 17.30 x 17.80
UPS Power Module Weight (kg)	46.27
UPS Power Module Weight (lbs.)	102
Unit Weight (lbs.)	102.000
Unit Weight (kg)	46.27
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0-95%, non-condensing
AC Mode BTU / Hr. (Full Load)	539
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	2159
Audible Noise	45 dBA maximum, front side 1m
COMMUNICATIONS	
Network Management Cards	 WEBCARDLXE ; RELAYIOCARD
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert software at https://tripplite.eaton.com/products/power-alert
WatchDog Compatibility	Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment ideal for unattended kiosk applications
EPO Port	Includes RJ11 EPO (emergency power off) port and interconnection cable
SNMP Compatibility	Compatible with Tripp Lite UPS management card options WEBCARDLX, SNMPWEBCARD and RELAYIOCARD
Network Management Card Description	Network management card optional
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)
LINE / BATTERY TRANSFER	



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Transfer Time	5 ms. (typical)
Low Voltage Transfer to Battery Power (Setpoint)	83
High Voltage Transfer to Battery Power (Setpoint)	145
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring and Reboot (requires WEBCARDLX); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection
APPLICATIONS	
UPS Applications	Large Network
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); NOM (Mexico); UL 1778
Product Compliance	RoHS
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year warranty, 3 year with registration. Note: Registration is required for 3-year warranty.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 Ultimate Lifetime Insurance

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