

# SmartPro 120V 3000VA 2880W Line-Interactive Sine Wave UPS, 4U Short Depth, Extended Run, WEBCARDLX, USB, DB9

MODEL NUMBER: SMART3000CRMXLN



Line-interactive UPS with pre-installed network interface offers network-grade power protection for critical network applications.

## Features

**3kVA/2.88kW/120V Battery Backup for PC Networks, Security Systems or Digital Signage**The SmartPro® line-interactive SMART3000CRMXLN UPS system with AVR provides reliable battery backup and AC power protection against blackouts, brownouts, overvoltages, surges and line noise that can damage valuable electronics or destroy data. The nine-outlet 120V battery backup with 0.96 power factor is ideal protection for small networks, wiring closets, security systems, telecom, high-end PC gaming, digital signage equipment and other professional applications, including retail, casino and hotel/motel management.

**Reliable, Expandable Battery Backup Keeps You Operational Through Power Outages**Backup support allows you to work through short power failures and gives you enough time to safely save files and shut down your system in case of a prolonged blackout. Backup time varies according to load, but the field-replaceable, hot-swappable internal battery should keep a half load (1440W) powered as long as 19 minutes and a full load (2880W) up to 7.5 minutes. For mission-critical applications demanding scalable extended runtime, the UPS supports external battery packs, such as BP48V27-2US (sold separately).

**Pre-Installed WEBCARDLX Network Interface Offers 24/7 Remote Access for Monitoring and Control**The Java-free HTML5-based WEBCARDLX enables full remote access for site power and UPS status monitoring, configuration, control and email notifications via secure web browser, SNMP, telnet or SSH. It supports 10/100 Mbps auto-sensing for optimum communication with an Ethernet network. Automated alerts help prevent accidental overloads, power loss and downtime. WEBCARDLX allows you to use the Auto Probe feature, which can prevent costly service calls by automatically rebooting non-responsive network devices.

**9 NEMA Outlets Protect Your Connected Components**One L5-30R and eight 5-15/20R outlets provide battery backup, 570 joules of surge protection and voltage regulation for your crucial components. Three independently switched single-outlet 5-15/20R load banks enable both scheduled and real-time remote rebooting and load shedding.

**Automatic Voltage Regulation (AVR) Corrects Low- and High-Voltage Conditions**AVR protects your equipment from incremental hardware damage, data loss and performance problems caused by brownouts and overvoltages. The SMART3000CRMXLN can correct brownouts as low as 83V and overvoltages as high as 145V back to nominal 120V power continuously, all while keeping the battery fully

## Highlights

- Protects equipment against blackouts, brownouts, overvoltages, surges and line noise
- Keeps AC power running during blackouts to allow time for file saves and safe shutdown
- Maintains continuous 120V nominal output during brownouts and overvoltages
- Pre-installed WEBCARDLX network interface supports Auto Probe feature
- 4U reduced-depth housing is ideal for 2-post rack-mount installations

## Applications

- Protect your small network server and other network components against power surges, line noise, brownouts, overvoltages and blackouts
- Operate essential equipment during short-term power outages using battery backup power
- Shut down desktop PCs and other equipment without data loss during long-term power outages
- Connect high-end security systems, casino gaming machines or digital signage in a small network

## Package Includes

- SMART3000CRMXLN 120V 3000VA 2880W Line-Interactive UPS with 8 Outlets
- Pre-installed WEBCARDLX network management card
- USB cable
- DB9 cable
- EPO cable
- Rack-mounting hardware
- Owner's manual



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charged and ready to take over in case of power failure.

**Premium Protection from EMI/RFI Line Noise Helps Your Equipment Perform Better**This UPS system filters out disruptive electromagnetic and radio frequency interference that can inflict hardware damage or data loss. This EMI/RFI filtering also helps your connected components perform better and last longer.

**Designed for High Efficiency to Help You Save Money and Protect the Environment**A 97% efficiency rating reduces BTU emissions, energy consumption and, ultimately, your energy costs.

**Audible Alarm and Diagnostic LEDs Keep You Informed Around the Clock**Five front-panel LEDs monitor line power, battery power, overload, voltage regulation and battery low/replace status. The alarm sounds to warn you in case of power failure, overload and low battery.

**Advanced Communications Ports Allow for Automatic Saves and Shutdowns**RS-232 and HID-compliant USB ports connect to a computer running free downloadable PowerAlert® software to enable safe unattended file saves and system shutdown in case of a prolonged power failure. The EPO port supports emergency shutdown in large facilities. Cables are included.

**Versatile Installation Options**Hardware is included for mounting the SmartPro UPS system in 4U of space in an EIA-standard 19-inch 2-post rack. Using optional mounting accessories (sold separately), you can adapt the SMART3000CRMXLN for 4-post (4POSTRAILKIT), 4-post short-depth (4POSTRAILKITWM) or tower mounting (2-9USTAND). The 10-ft. (3.05 m) power cord with NEMA L5-30P plug connects to a compatible AC outlet. Hardwire line cord installation is also supported.

## Specifications

OVERVIEW	
UPC Code	037332248541
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
OUTPUT	
Output Capacity (VA)	3000
Output Capacity (kVA)	3
Output Capacity (Watts)	2880
Output Capacity (kW)	2.88



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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
<b>BATTERY</b>	
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	<a href="#">BP48V24-2U</a> >BP48V24-2U</a> &nbsp; (limit 1); &nbsp; <a href="#">BP48V48RT4U</a> >BP48V48RT4U</a> &nbsp; (multi-pack compatible); &nbsp; <a href="#">BP48V27-2US</a> >BP48V27-2US</a> &nbsp; (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	<a href="#">RBC94-2U</a> >RBC94-2U</a> &nbsp; (quantity 2)
<b>VOLTAGE REGULATION</b>	
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%
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	

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
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC Suppression Joule Rating	570
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
<b>PHYSICAL</b>	
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 ( <a href="http://tripplite.eaton.com/4-Post-Rack-Mount-Installation-Kit-select-Rack-Mount-UPS-Systems~4POSTRAILKIT">4 post rackmount full-depth</a> ); 4 post rackmount short-depth ( <a href="http://tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks~4POSTRAILKITWM">4 post rackmount short-depth</a> ); Tower ( <a href="http://tripplite.eaton.com/2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND">2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND</a> )
Minimum Required Rack Depth (cm)	53.34
Minimum Required Rack Depth (inches)	21
Minimum Required Rack Depth with External Battery Pack (cm)	63
Minimum Required Rack Depth with External Battery Pack (in.)	24.8
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 <a href="http://tripplite.eaton.com/2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND">2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND</a> ; enables upright tower UPS placement; <a href="http://tripplite.eaton.com/4-Post-Rack-Mount-Installation-Kit-select-Rack-Mount-UPS-Systems~4POSTRAILKIT">4-Post-Rack-Mount-Installation-Kit-select-Rack-Mount-UPS-Systems~4POSTRAILKIT</a> ; mounting bracket enables installation in 4 post racks from 20.5 to 36 inches; <a href="http://tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks~4POSTRAILKITWM">4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks~4POSTRAILKITWM</a> ; enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm)
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 Weight (kg)	58.97



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UPS Housing Material	Steel
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
<b>ENVIRONMENTAL</b>	
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
<b>COMMUNICATIONS</b>	
Network Management Cards	&nbsp;<a class="productLink" href="//tripplite.eaton.com/Network-Card-Eaton-Tripp-Lite-Series-UPS-Systems~WEBCARDLXE">WEBCARDLXE</a>&nbsp;
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert software at <a href="https://tripplite.eaton.com/products/power-alert">https://tripplite.eaton.com/products/power-alert</a>
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
Network Management Card Description	Network management card included
Communications Interface	DB9 Serial; EPO (emergency power off); Pre-installed network card; Slot for SNMP/Web interface; USB (HID enabled)
<b>LINE / BATTERY TRANSFER</b>	
Transfer Time	5 ms. (typical)
Low Voltage Transfer to Battery Power (Setpoint)	83
High Voltage Transfer to Battery Power (Setpoint)	145
<b>FEATURES &amp; SPECIFICATIONS</b>	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring and Reboot (included); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection
<b>APPLICATIONS</b>	

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: <a href="https://tripplite.eaton.com/support/product-warranty-registration">Registration is required</a> for 3-year warranty.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 <a href="https://tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>

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