Tripp Lite
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SmartPro 120V 3kVA 2.88kW Line-Interactive Sine Wave UPS, Extended Run, SNMP, Webcard, 4U Rack Reduced Depth, USB, DB9 Serial

MODEL NUMBER: **SMART3000CRMXL**






Highlights

- 3kVA / 3000VA / 2880W line interactive 4U rack/tower UPS, Sine Wave
- 120V output, Corrects brownouts and overvoltages from 83V to 145V
- 0.96 Power Factor, Front panel status LEDs
- Extended runtime options up to 2880W
- 2 post mounting accessories, reduced depth housing
- 97% line-mode efficiency, 3 switched load banks
- USB, RS232, EPO and slot for SNMPWEBCARD option
- 120V NEMA L5-30P or Hardwire input, 8 NEMA 5-15/20R & 1 L5-30R outlets

Applications

Distributed Server Rooms
Network & Telecom Closets
Small Business Networks
Voice over IP (VoIP) Phone Systems
Limited-space installations

Package Includes

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

Description

Tripp Lites SmartPro Compact Rackmount 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 rackmount 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), BP48V60RT-3U (multi-pack compatible) and BP48V27-2US (multi-pack compatible) external battery packs.

SMART3000CRMXL 4U rackmount 3000VA UPS offers battery-derived sine wave AC output during power failures and extreme voltage variations. Supports 3000VA/2880 watts when powered via included L5-30P input plug. Supports up to 3600VA/3600 watts 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. Optional SNMPWEBCARD offers remote management and control of the UPS via direct network connection. Additional ENVIROSENSE accessory, when used in conjunction with SNMPWEBCARD reports temperature, humidity and status of up to two directly connected contact closure sensors. HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X. Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces at once. Includes PowerAlert monitoring software with USB and serial cables. 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 rackmount accessories included; 2-9USTAND tower stands and 4POSTRAILKIT 4 post rackmount kit available. Field-replaceable, hot-swappable internal batteries and external battery packs. Attractive all-black color scheme.

Features

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- Tripp Lite's SmartPro Compact Rackmount 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 rackmount 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), BP48V60RT-3U (multi-pack compatible) and BP48V27-2US (multi-pack compatible) external battery packs
- Some external battery configurations require the use of Tripp Lite's External Battery Configuration Software (see manual)
- SMART3000CRMXL 4U rackmount 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 optional SNMP/Web management accessory card slot
- Optional SNMPWEBCARD offers remote management and control of the UPS via direct network connection
- Additional ENVIROSENSE accessory, when used in conjunction with SNMPWEBCARD reports temperature, humidity and status of up to two directly connected contact closure sensors
- HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X
- 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
- Includes PowerAlert monitoring software with USB and serial cables
- 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 rackmount accessories included; 2-9USTAND tower stands and 4POSTRAILKIT 4 post rackmount kit available
- Field-replaceable, hot-swappable internal batteries and external battery packs
- Attractive all-black color scheme

Specifications

OUTPUT	
Output Capacity Details	Supports 3600 watts max with hardwire input
Output Volt Amp Capacity (VA)	3000
Output Watt Capacity (Watts)	2880
Nominal Output Voltage(s) Supported	120V
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-18%, +8%
Output Receptacles	(8) 5-15/20R; (1) L5-30R
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
INPUT	
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 ft.
UPS Input Cord Length (m)	3.05
Recommended Electrical Service	120V 30A
Voltage Compatibility (VAC)	120
Input Phase	Single-Phase
BATTERY	
Full Load Runtime (min.)	7.5 min. (2880w)
Half Load Runtime (min.)	19 min. (1440w)
External Battery Pack Compatibility	BP48V24-2U (limit 1); BP48V48RT4U (multi-pack compatible); 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)
Internal UPS Replacement Battery Cartridge	RBC94-2U (quantity 2)
Battery Access	Battery access door allows hot swap battery replacement without powering connected equipment off
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	

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UPS AC Suppression Joule Rating	570 joules
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
PHYSICAL	
Included Mounting Accessory Description	2 post rackmount installation hardware included
Installation Form Factors Supported with Optional Accessories	4 post rackmount (4POSTRAILKIT); Tower (2-9USTAND)
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	7 x 17.3 x 16.8
UPS Power Module Dimensions (hwd, cm)	17.8 x 43.9 x 42.7
Rack Height (U Spaces)	4
UPS Power Module Weight (lbs.)	102
UPS Power Module Weight (kg)	46.3
UPS Shipping Dimensions (hwd / in.)	13.2 x 23.6 x 22.8
UPS Shipping Dimensions (hwd / cm)	33.5 x 59.9 x 57.9
Shipping Weight (lbs.)	124
Shipping Weight (kg)	56.3
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	0-95%, non-condensing
AC Mode BTU / Hr. (Full Load)	408
Battery Mode BTU / Hr. (Full Load)	2149.5
COMMUNICATIONS	
Communications Interface	USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
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	Yes, includes slot for optional SNMPWEBCARD accessory (#SNMPWEBCARD)

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LINE / BATTERY TRANSFER	
Transfer Time	5 ms. (typical)
Low Voltage Transfer to Battery Power (Setpoint)	83
High Voltage Transfer to Battery Power (Setpoint)	145
SPECIAL FEATURES	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable internal UPS power module; hot-swap batteries
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA (Canada), NOM (Mexico), Class A (Emissions)
WARRANTY	
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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