SmartPro 208V 5kVA 3.75kW Line-Interactive Sine Wave UPS, 3U Rack/Tower, Network Card Options, USB, DB9 Serial

MODEL NUMBER: **SMART5000TEL3U**







Highlights

- 5kVA / 5000VA line interactive 3U rack/tower UPS; Sine wave output
- 208V nominal output during inputs of 174-282V; Supports 600VA 120V output
- USB, Serial, EPO and slot for Network Management Card options
- 97% line-mode efficiency; Hot-swappable internal batteries; Energy Star Compliant
- NEMA L6-30P input; 2 NEMA 5-15R, 2 L6-20R and 1 L6-30R outlets

Package Includes

- SMART5000TEL3U UPS System
- USB & DB9 Serial cabling
- Mounting hardware
- Instruction manual

Description

The SMART5000TEL3U intelligent line-interactive UPS protects server, networking and telecommunications equipment from blackouts, voltage fluctuations and surges in a compact rack-mount housing. Completely self-contained UPS system occupies only 3U in a standard 19-inch rack, making this model one of the smallest 5kVA UPS systems available. Included accessories support mounting 4-post rack enclosures. Large-capacity 5000VA/3750W UPS system accepts raw AC input, adjusting output to regulated 208V levels. One pair of 120V outlets supports up to 600VA monitors and other low-voltage accessories. Includes slot for internal Network Management Card option. Includes USB and two DB9 monitoring ports for unattended shutdown, remote control and monitoring of UPS system and power data. Five outlets (two L6-20R, one L6-30R and two 5-15R) allow the connection of high-current 20A and 30A 208V connectors and up to two 120V devices (max 600VA at 120V).

Features

- Large 5000VA/3750-watt output capacity accommodates solitary large loads or multiple low-power loads
- High power density 5kVA power module occupies only 3 rack spaces (3U)
- 16 minutes half-load runtime (with a continuous load 2500VA; much longer runtime available at smaller loads)
- Line-interactive voltage regulation corrects severe brownouts and overvoltages without using battery power
- High voltage output supports 208V server, internetworking and telecom applications
- Pair of 120V outlets supports up to 600VA for standard 120V monitors, voicemail and other low-power networking devices
- Five total outlets (two L6-20R, one L6-30R and two 5-15R)
- Diagnostic LEDs provide visual indication of 17 separate performance conditions
- USB & Serial ports enable data-saving unattended shutdown when used with PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert
- Built-in USB, DB9 RS-232 and DB9 contact closure communications ports for remote monitoring and unattended shutdown
- Compatible with UPS management card options TLNETCARD, WEBCARDLX and SNMPWEBCARD
- Emergency Power Off (EPO) interface for emergency shutoff in large facilities

- Hot-swappable/user-replaceable batteries allow on-site battery replacement through the front panel without powering off connected equipment or removing the UPS from the rack
- Intelligent battery management system extends battery life
- UPS ships fully assembled and ready for installation; no time-consuming user battery connections required

Specifications

OVERVIEW	
UPC Code	037332116116
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	24A
Nominal Input Voltage(s) Supported	208V AC
UPS Input Connection Type	L6-30P
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	30A 208V
Maximum Input Amps	24
OUTPUT	
Output Capacity (VA)	5000
Output Capacity (kVA)	5
Output Capacity (Watts)	3750
Output Capacity (kW)	3.75
Output Capacity Details	120V 5-15R outlets are limited to 450 watts (max.)
Power Factor	0.75
Nominal Voltage Details	120V output is limited to 450 watts
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	208 & 120V (-6%, +20%)
Output Voltage Regulation (Battery Mode)	+/- 5%
Output Circuit Breakers	20A double pole breaker supports L6-20R outlets, 5A breaker supports 5-15R outlets, L6-30R outlet is unbreakered
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave

Nominal Output Voltage(s) Supported	208V
Output Receptacles	(2) 5-15R; (2) L6-20R; (1) L6-30R
Individually Controllable Load Banks	No
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	8.5 min. (3750W)
Runtime Half Load (min.)	20 min. (1875W)
Expandable Runtime	No
DC System Voltage (VDC)	48
Battery Recharge Rate (Included Batteries)	Less than 4 hours from 10% to 90% (typical, full load discharge)
Battery Access	Front panel battery access door
Internal UPS Replacement Battery Cartridge	RBC94-3U (quantity 3)
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 167 to 260
Overvoltage Correction	Input voltages between 228V and 260V are reduced by 12%
Undervoltage Correction	Input voltages between 167V and 194V are boosted by 12%
USER INTERFACE, ALERTS & CONTROLS	
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Audible Alarm	Audible alarm indicates power-failure, overload and low-battery conditions
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
SURGE / NOISE SUPPRESSION	
EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	1020
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Rackmount
Rack Height	3U
Cooling Method	Fan
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount

Installation Form Factors Supported with Optional Accessories	2 post rackmount (2POSTRMKITHD); Tower (2-9USTAND)
Minimum Required Rack Depth (cm)	76.20
Minimum Required Rack Depth (inches)	30
Primary UPS Depth (mm)	635
Primary UPS Height (mm)	133
Primary UPS Width (mm)	445
Shipping Dimensions (hwd / in.)	12.00 x 23.00 x 33.00
Shipping Dimensions (hwd / cm)	30.48 x 58.42 x 83.82
Shipping Weight (lbs.)	182.00
Shipping Weight (kg)	82.55
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	13.34 x 44.45 x 63.50
UPS Power Module Dimensions (hwd, in.)	5.25 x 17.5 x 25
UPS Power Module Weight (kg)	65.00
UPS Power Module Weight (lbs.)	143.3
Unit Weight (lbs.)	143.3000
Unit Weight (kg)	65.00
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 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	366
AC Mode Efficiency Rating (100% Load)	97%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	1423
Audible Noise	45 dBA maximum, front side 1m
COMMUNICATIONS	
Network Management Cards	TLNETCARD ; WEBCARDLXE
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert software at https://tripplite.eaton.com/products/power-alert

Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network Management Card Description	Network management card optional
Communications Interface	Contact closure; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB
LINE / BATTERY TRANSFER	
Transfer Time	7 milliseconds (AC to Battery), 1 millisecond (Battery to AC)
Low Voltage Transfer to Battery Power (Setpoint)	167
High Voltage Transfer to Battery Power (Setpoint)	260
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring (requires WEBCARDLXE); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS
Grounding Details	Back panel grounding lug
APPLICATIONS	
UPS Applications	Large Network
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); UL 1778; NOM (Mexico)
Product Compliance	RoHS; ENERGY STAR Qualified; FCC Part 15 Class A (USA)
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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