

SmartOnline 6000VA 5400W 208V Online Double-Conversion UPS - 2 L6-20R and 2 L6-30R Outlets, L6-30P Input, Network Card Included, Extended Run, 3U Rack/Tower, TAA

MODEL NUMBER: **SU6000RT3UTAA**



Provides battery backup, power protection and sine wave output for mission-critical IT installations, edge networks and other network applications that require TAA compliance.

Features

6kVA/5.4kW/208V Battery Backup for IT Installations and Edge Networks

This SmartOnline® rack-mount online double-conversion UPS system provides uninterrupted battery backup and AC power protection against blackouts, brownouts, surges and line noise that can damage valuable IT equipment or destroy data. The SU6000RT3UTAA provides reliable power management for government, education, commercial, financial or healthcare networking components, including Cisco switches and servers.

Reliable, Expandable Internal Battery Backup Keeps You Operational Through Power Outages

The field-replaceable, hot-swappable VRLA battery modules allow you to work through short power failures and give you enough time to safely save files and shut down your system in the case of a prolonged blackout. Automatic restart after power outages reduces costly on-site visits. Hours of extra runtime can be achieved by connecting up to four optional extended battery modules (BP180RT3UTAA, sold separately).

Pre-Installed Network Management Card Allows 24/7 Remote Access

The WEBCARDLXE network interface enables full remote configuration and management, including load shedding, reboots of connected equipment and safe shutdowns. The IP-based Auto Probe feature ensures continuous network uptime by communicating with other network devices, detecting lost connectivity and automatically rebooting IT equipment. Optional EnviroSense2 modules (E2MT, E2MTDO and E2MTHDI, all sold separately) provide a variety of environmental monitoring and control options.

Note: The SU6000RT3UTAA is not compatible with WEBCARDLX.

NEMA Outlets Protect Your Connected Components

Two L6-20R and two L6-30R managed outlets provide connected equipment with pure sine wave AC output and allow you to manage power consumption down to the outlet group level. Power provided by these outlets is filtered to protect connected equipment against damaging surges and line noise. The SU6000RT3UTAA also supports hardwired output.

Intuitive LCD Interface Keeps You Informed at a Glance

The menu-driven LCD provides control settings and critical information to help diagnose any issues, including alarm and fault notifications. The interface rotates to accommodate both rack-mount and tower

Highlights

- Online double conversion topology protects equipment against blackouts, brownouts, transient surges and line noise
- Keeps equipment running during outages to allow time for file saves and safe shutdown
- Pre-installed WEBCARDLXE network interface enables 24/7 remote control
- Optional extended battery modules allow extra runtime to keep equipment powered
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

- 6000VA 5400W 208V Double-Conversion UPS
- WEBCARDLXE network card
- USB cable
- DB9 cable
- Tower support stands
- Cable gland for hardwire connection
- Rack-mounting hardware
- Quick start guide



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configurations, and tilts up to 45 degrees for more comfortable viewing.

Advanced Communications Ports Allow for Automatic Saves and Shutdowns

RS-232 and USB ports connect to a serial-enabled device for a variety of communication options (cables are included). A dry-contact relay port can be programmed through the LCD to provide reliable communications to automation and industrial components. The RPO/ROO connectors permit emergency shutdown or remote restart of all connected equipment.

Versatile Installation Options

You can mount the SU6000RT3UTAA in just 3U of space in an EIA-standard 19-inch rack using the included 4-post rail kit or an optional 2-post rail kit (RK2PC, sold separately). You can also adapt it for tower installation using the included support stands. The 10-foot power cord with NEMA L6-30P plug connects to a compatible AC outlet. A cable gland is included for alternate hardwire input.

TAA-Compliant for GSA Schedule Purchases

The SU6000RT3UTAA is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

Specifications

OVERVIEW	
UPC Code	786689875794
UPS Type	On-Line
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	24.8A
Nominal Input Voltage(s) Supported	200V AC; 208V AC; 220V AC; 230V AC; 240V AC
Nominal Input Voltage Description	Factory configured to 208V
UPS Input Connection Type	Hardwire; L6-30P
Input Circuit Breakers	Recommended 30A upstream
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	30A
Maximum Input Amps	25
Input Plug Type	NEMA L6-30P
Total Harmonic Distortion	< 2% THDV on linear load; < 5% THDV on non-linear load
Input Cord Length (ft.)	10
Input Cord Length (m)	3.05
OUTPUT	
Output Capacity (VA)	6000
Output Capacity (kVA)	6

Output Capacity (Watts)	5400
Output Capacity (kW)	5.4
Output Capacity Details	230/240V: 5400 watts; 220V: 5100 watts; 208V: 4800 watts; 200V: 4600 watts
Power Factor	0.9
Crest Factor	3:1
Nominal Voltage Details	200V, 208V, 220V, 230V, 240V
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	50 or 60Hz, autosensing or configurable as a frequency converter
Output Voltage Regulation (Line Mode)	+/- 1%
Output Voltage Regulation (Battery Mode)	+/- 1%
Output Circuit Breakers	20A breaker protects L6-20R outlets
Output AC Waveform (AC Mode)	Pure Sine wave
Output (Watts)	5400
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	200V; 208V; 220V; 230V; 240V
Output Receptacles	(2) L6-20R; (2) L6-30R; Hardwire
Individually Controllable Load Banks	No
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	3 min. (5400W)
Runtime Half Load (min.)	8 min. (2700W)
Expandable Runtime	Yes
Expandable Runtime Description	Add up to 4 extended battery modules (EBM). Part number BP180RT3UTAA ;
External Battery Pack Compatibility	 BP180RT3UTAA
DC System Voltage (VDC)	180
Battery Access	Battery access door
Internal UPS Replacement Battery Cartridge	 744-A1974
Battery Replacement Description	Hot-swappable, user replaceable batteries. UPS requires 1 Replacement Battery Cartridge.
Capacity (Ah)	5
VOLTAGE REGULATION	
Voltage Regulation Description	Online, double-conversion power conditioning

USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	LCD graphical display
Switches	RPO / ROO
Alarm Cancel Operation	Press ESC to silence the alarm
Audible Alarm	Audible alarm indicates utility failure, low-battery, overload, other UPS/Battery fault or remote shutdown conditions
LED Indicators	4 status-indicating LEDs
SURGE / NOISE SUPPRESSION	
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	0 ms
PHYSICAL	
Primary Form Factor	Rackmount; Tower
Rack Height	3U
Cooling Method	Fan
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount; Tower
Installation Form Factors Supported with Optional Accessories	2 post rackmount (RK2PC)
Minimum Required Rack Depth (cm)	78.74
Minimum Required Rack Depth (inches)	31
Minimum Required Rack Depth with External Battery Pack (cm)	79
Minimum Required Rack Depth with External Battery Pack (in.)	31
Optional Mounting Accessory Notes	2 post rail kit available, part # RK2PC
Shipping Dimensions (hwd / in.)	12.25 x 38.00 x 28.50
Shipping Weight (lbs.)	125.20
UPS Housing Material	Metal
UPS Power Module Weight (kg)	48.08
UPS Power Module Weight (lbs.)	106
Unit Dimensions (hwd / in.)	5.100 x 17.300 x 27.030
Unit Weight (lbs.)	106.000
Unit Weight (kg)	48.08
Mounting Details	Includes 4 post rackmount and tower pedestal accessories
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)

Relative Humidity	0-95% non-condensing
AC Mode Efficiency Rating (100% Load)	93
AC Economy Mode Efficiency Rating (100% Load)	98
Online Mode Heat Dissipation (BTU/Hr) @ Full Load	1245
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	1895
Operating Elevation	0-3280 ft. (0-1000 m)
Audible Noise	<45 dB at 1 meter
COMMUNICATIONS	
Network Management Cards	(1) WEBCARDLXE
Network Monitoring Port Description	WEBCARDLXE Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications; not compatible with WEBCARDLX
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 serial cables included
Network Management Card Description	Network management card included
Communications Interface	(1) Contact closure; (1) Included network card; (1) RS-232; (1) USB
Emergency Power Off (EPO)/Remote On-Off (ROO)	Yes
LINE / BATTERY TRANSFER	
Transfer Time	No transfer time (0 ms.) in online, double-conversion mode
Low Voltage Transfer to Battery Power (Setpoint)	176V
High Voltage Transfer to Battery Power (Setpoint)	276V
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Automatic Voltage Regulation (AVR); Expandable battery backup; Hot swappable batteries; On-Line/Double-Conversion; Pure sine wave output; Remote management; Surge/noise protection; Zero transfer time
Green Energy-Saving Features	High efficiency economy mode operation
APPLICATIONS	
UPS Applications	Mission Critical Applications
STANDARDS & COMPLIANCE	
Product Certifications	UL 1778; cTUVus



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Product Compliance	CE (Europe); FCC (USA); REACH; RoHS; Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (U.S. & Canada)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 Ultimate Lifetime Insurance
Extended Service Plans	5-year depot exchange plan: TL9SW5Y-6000UC Expedited parts coverage for 5 yearsParts, electronics, and UPS battery coverageNext business day shippingTechnical support 5-year onsite plan: TLWFLN75XX-6009UC Onsite parts and labor coverage for 5 yearsParts, electronics, and UPS battery coverage24x7 onsite labor coverage, next-day responseNext-day shippingTechnical support Startup 24x7: TLSU05NXXX-6009UC Assembly 24x7: TLAS00NXXX-6009UC Onsite preventative maintenance 24x7: TL0005NXXX-6009UC 3-year depot exchange and onsite plans also available

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