SmartOnline 120V 3kVA 2.7kW On-Line Double-Conversion UPS, 2U Rack/Tower, Extended Run, Network Card Option, ENERGY STAR

MODEL NUMBER: **SU3000RTXL2U**







Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, surges and line noise. Converts incoming AC power to filtered DC power, then back to AC with a pure sine wave.

Features

Protects Mission-Critical Rack-Mounted Equipment Protects equipment against data loss, downtime and damage due to power outages, voltage fluctuations and transient surges+/-2% voltage regulation in online and battery modesSelectable 120V 50/60 Hz output voltage with up to 0.9 power factor6 breakered NEMA 5-15/20R and 1 non-breakered L5-30R outlets10-ft. (3.05 m) AC power cord with NEMA L5-30P input plug504-joule surge protection rating for shielding connected devices from damaging power surges and spikes

Reliable Battery Backup with Expandable Runtime Supports half load for 13.8 min. and full load for 4.8 min.Zero transfer time between AC power and battery operation keeps network running during blackoutsExpandable runtime with optional external battery packs, such as BP72V15-2U

ENERGY STAR Version 2.0 Certification High efficiency operation and low BTU heat output reduces energy costs and meets strict EPA guidelines

Switchable Breakered Load BanksNEMA 5-15/20R outlets divided into 2 numbered load banks, each of which may be individually powered on and off remotely to reset or reboot connected equipment

Front LED Panel14 LEDs indicate line power, online mode, economy/bypass mode, on-battery, overload, battery condition and fault status informationRotates for viewing in rack and tower formats

Audible Alarm Indicates power failure, overload, battery condition and EPO operation

Communications PortsUSB and DB9 ports enable data-saving unattended shutdown when used with PowerAlert software (available via free download at tripplite.eaton.com/products/power-alert)Optional WEBCARDLX allows full remote access for power monitoring, configuration, control and email notifications via secure web browser, SNMP, telnet or SSH

Versatile Installation Options Hardware included for 4-post mounting in 2U of EIA-standard 19 in. rackMounts in 2-post rack with optional 2POSTRMKITWMMounts in upright tower position with optional 2-9USTAND

Highlights

- Zero transfer time between AC power and battery operation
- +/-2% output voltage regulation in online and battery modes
- Expandable runtime with optional external battery packs
- Optional WEBCARDLX network interface for full remote access
- 13.8 min. runtime at half load; 4.8 min. at full load
- 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

- SU3000RTXL2U SmartOnline 120V 3kVA 2.7kW On-Line Double-Conversion UPS
- USB cable
- DB9 cable
- EPO cable
- Rack-mounting hardware
- Owner’s manual

Specifications

OVERVIEW	
UPC Code	037332197023
UPS Type	On-Line
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	24A maximum
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	L5-30P
Recommended Electrical Service	30A 120V
Input Cord Length (ft.)	10
Input Cord Length (m)	3.05
OUTPUT	
Output Capacity (VA)	3000
Output Capacity (kVA)	3
Output Capacity (Watts)	2700
Output Capacity (kW)	2.7
Output Capacity Details	INVERTER SHORT-CIRCUIT PROTECTION: Inverter short-circuit protection is electrically protected; OVERLOAD CAPACITY: Supports inverter operation up to 105% load continuously, 125% for 30 seconds, 150% for 10 seconds and >150% for 0.5 seconds before switching to BYPASS (when bypass input voltage and frequency are WITHIN bypass limits of 120V ±10%) or SHUTDOWN (when bypass input voltage or frequency are OUTSIDE bypass limits of 120V ±10%).
Power Factor	0.9
Crest Factor	3:1
Nominal Voltage Details	120V default
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Accepts 40 to 70Hz input frequency. Output frequency matches input nominal on startup, defaults to 60 Hz on cold-start. Frequency conversion from 60 to 50 Hz -or- 50 to 60 Hz supported. Output capacity de-rates to 70% of normal levels during frequency conversion operation.
Output Voltage Regulation (Line Mode)	+/- 2%
Output Voltage Regulation (Battery Mode)	+/- 2%
Load Management Receptacles	Two switchable three-outlet load banks
Output Circuit Breakers	20A (x2) - each breaker protects 3 5-15/20R outlets, L5-30R outlet is un-breakered
Output AC Waveform (AC Mode)	Pure Sine wave

Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	100V; 110V; 115V; 120V; 127V
Output Receptacles	(6) 5-15/20R; (1) L5-30R
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	4.8 min. (2700W)
Runtime Half Load (min.)	13.8 min. (1350W)
Expandable Runtime	Yes
External Battery Pack Compatibility	BP72V15-2U (limit 1); BP72V28RT-3U (multi-pack compatible); BP72V18-2US (multi-pack compatible)
DC System Voltage (VDC)	72
Battery Recharge Rate (Included Batteries)	Less than 8.1 hours from 10% to 90% (typical, full load discharge)
Battery Access	Front panel battery access door
Internal UPS Replacement Battery Cartridge	See RBC selector guide (replacement battery part number is also labeled on the internal battery door)
Battery Replacement Description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage Regulation Description	Online, double-conversion power conditioning
Overvoltage Correction	ONLINE MODE: 2% output voltage regulation during overvoltages to 150
Undervoltage Correction	2% output voltage regulation during undervoltages to 80V (66-100% load)
Severe Undervoltage Correction	2% output voltage regulation during undervoltages to 70V (33-66% load) or 60V (under 33% load)
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
Audible Alarm	Audible alarm indicates power failure, low battery, overload, replace battery and EPO operation
LED Indicators	14 LEDs indicate line power, online mode, economy/bypass mode, on-battery, overload, battery low, replace battery and fault status information; 4-LED meter displays load and battery charge levels; LED panel rotates for viewing in rack/tower formats
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	504
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous

PHYSICAL	
Primary Form Factor	Rackmount
Rack Height	2U
Cooling Method	Fan
Included Mounting Accessory Description	Includes 4 post rackmount installation accessories
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	2 post rackmount (2POSTRMKITWM); Tower (2-9USTAND)
Minimum Required Rack Depth (cm)	71.12
Minimum Required Rack Depth (inches)	28
Minimum Required Rack Depth with External Battery Pack (cm)	77
Minimum Required Rack Depth with External Battery Pack (in.)	30.25
Minimum Required Rack Depth without External Battery Pack (cm)	74
Minimum Required Rack Depth without External Battery Pack (in.)	29.25
Primary UPS Depth (mm)	616
Primary UPS Height (mm)	88
Primary UPS Width (mm)	438
Shipping Dimensions (hwd / in.)	9.45 x 23.62 x 29.92
Shipping Dimensions (hwd / cm)	24.00 x 59.99 x 76.00
Shipping Weight (lbs.)	87.00
Shipping Weight (kg)	39.46
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	8.79 x 43.79 x 61.60
UPS Power Module Dimensions (hwd, in.)	3.46 x 17.24 x 24.25
UPS Power Module Weight (kg)	31.17
UPS Power Module Weight (lbs.)	68.72
Unit Weight (lbs.)	68.720
Unit Weight (kg)	31.17
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	5 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	531
AC Economy Mode BTU / Hr. (Full Load)	484.5
AC Economy Mode Efficiency Rating (100% Load)	95%
Online Mode Heat Dissipation (BTU/Hr) @ Full Load	531
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	1037
Audible Noise	50 dBA max, front-side @ 1m
COMMUNICATIONS	
Network Management Cards	WEBCARDLXE
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications
PowerAlert Software	For local monitoring via the UPS's built-in communication ports and modify the UPS Power Strategy settings 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 (HID enabled)
LINE / BATTERY TRANSFER	
Transfer Time	No transfer time (0 ms.) in online, double-conversion mode
Low Voltage Transfer to Battery Power (Setpoint)	80V (100% load), 70V (66% load), 60V (33% load)
High Voltage Transfer to Battery Power (Setpoint)	150
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 inverter bypass; Hot swappable batteries; Remote management; Surge/noise protection; Zero transfer time
Green Energy-Saving Features	High efficiency economy mode operation; Individually controllable load banks; Schedulable daily hours of economy mode operation
Grounding Details	Includes back-panel grounding lug
APPLICATIONS	
UPS Applications	Mission Critical Applications

STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); NOM (Mexico); UL 1778
Product Compliance	RoHS; ENERGY STAR Qualified; FCC Part 15 Class A (USA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

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