SmartOnline 208/230V 1.5kVA 1.35kW Double-Conversion UPS, 2U, Extended Run, SNMP Card Option, LCD, USB, DB9, ENERGY STAR

MODEL NUMBER: **SUINT1500LCD2U**

Highlights

- +/-2% output voltage regulation in online and battery modes
- 6 C13 outlets—4 switchable
- Monitoring of power conditions via POWERALERT
- Meets strict ENERGY STAR efficiency guidelines
- 12.6 min. runtime at half load; 4.5 min. at full load

Package Includes

- SUINT1500LCD2U SmartOnline 1.5kVA 1.35kW On-Line Double-Conversion UPS
- 4-post rack-mount installation kit
- USB cable
- DB9 cable
- (2) C13-to-C14 power cables
- Owner's manual

Description

The SUINT1500LCD2U SmartOnline® 208/230V 1.5kVA 1.35kW On-Line Double-Conversion UPS provides battery backup and AC power protection against blackouts, brownouts, power surges and line noise that can damage electronics or destroy data. It continuously regulates AC output within 2% of the selected nominal output voltage with zero transfer time from online to battery mode.

Operating with a high 93% line mode efficiency, the ENERGY STAR-certified SUINT1500LCD2U saves you money by meeting strict EPA guidelines. Featuring six C13 outlets (four switchable) and a C14 input, the SUINT1500LCD2U has an internal battery that provides 12.6 minutes of support at half load and 4.5 minutes at full load. Adding external battery packs, such as BP36V27-2US (sold separately), provides extended runtime.

Managing the SUINT1500LCD2U is simplified through the interactive front-panel LCD interface, which displays operating conditions and diagnostic data, such as load and battery levels. You can set power strategies to reflect your protection priorities, whether it's precise power quality for sensitive systems or the highest possible electrical efficiency.

EMI/RFI noise filtering improves your equipment's performance and prevents damage. A 936-joule surge suppression rating protects your equipment from harmful power surges. With Tripp Lite's free downloadable POWERALERT software, the SUINT1500LCD2U enables safe unattended system shutdown and file saves in case of a prolonged power failure.

Features

Protects Mission-Critical Rack-Mounted Equipment

- Provides fully regulated sine wave AC output for critical voice, data, medical and industrial IT applications
- +/-2% voltage regulation in online and battery modes
- Selectable 200/208/220/230/240V output voltage
- 6 C13 outlets
- C14 input
- 936-joule surge suppression rating

Reliable Battery Backup with Expandable Runtime

- Supports half load for 12.6 min. and full load for 4.5 min.
- Internal batteries designed for hot-swap field replacement
- Expandable runtime with optional external battery packs, such as Tripp Lite's BP36V27-2US
- Restarts automatically after lengthy power outages

Interactive Front-Panel LCD

- Reports detailed status information, including load and battery levels
- Offers advanced configuration options, including output voltage and power strategies

5 Power Strategies

- Auto Adaptive enables high efficiency operation as necessary for ideal equipment protection
- Max Efficiency favors economy operation with high 97% efficiency
- Max Quality favors on-line, double-conversion mode, maintaining +/-2% output voltage regulation and zero transfer time
- Frequency Regulation and Frequency Conversion enable +/-0.05 Hz output regulation for selected frequency (50/60 Hz)

2 Load Banks with Switchable Outlets

- Can control 4 outlets remotely to reboot equipment or shed nonessential loads

Highly Customizable

- Selectable auto-restart from 0 to 60 sec. after AC power is restored
- Selectable minimum battery charge level before auto-restart
- Schedule system reboot if USB signal from connected device is lost
- Set overload thresholds and low battery levels for alert and shutdown
- Remote on/off (toggle) support via DB9

ENERGY STAR Certification

- 93% line mode efficiency saves money and energy and protects environment by meeting strict EPA efficiency guidelines

Network Management Cards / USB & Serial ports

- Compatible Tripp Lite UPS management card options WEBCARDLX and SNMPWEBCARD support a wide variety of UPS control and monitoring capabilities
- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from www.tripplite.com/poweralert

Specifications

MODEL TEXT	
Key Benefit	Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Ideal solution for critical voice, data, medical and industrial IT applications.

OUTPUT	
Output Volt Amp Capacity (VA)	1500
Output kVA Capacity (kVA)	1.5
Output Watt Capacity (Watts)	1350
Output kW Capacity (kW)	1.35
Output Capacity Details	DE-RATING INFORMATION: Max output in Frequency Conversion mode is reduced to 945 watts for 208/220/230/240V output voltages; Max output is 1080W (756W in Frequency Conversion mode) at 200V output voltage OVERLOAD CAPACITY: Supports inverter operation up to 105% load continuously, 125% for 3 minutes, 150% for 30 seconds and >150% for 0.5 seconds before switching to BYPASS (when bypass input voltage and frequency are WITHIN bypass limits) or SHUTDOWN (when bypass input voltage or frequency are OUTSIDE bypass limits).
Power Factor	0.9
Crest Factor	3:1
Nominal Output Voltage(s) Supported	200V; 208V; 220V; 230V; 240V
Nominal Voltage Details	Nominal output voltage is user configured on first power-on
Frequency Compatibility	50 / 60 Hz; Supports 50 to 60 Hz and 60 to 50 Hz conversion
Frequency Compatibility Details	Output frequency matches input nominal on startup; Output capacity de-rates by 30% during frequency conversion operation
Output Voltage Regulation (Line Mode)	+/- 2%
Output Voltage Regulation (Economy Line Mode)	+/- 10%
Output Voltage Regulation (Battery Mode)	+/- 2%
Output Receptacles	(6) C13
Included Output Power Cables	Includes 2 C13 to C14 power cables

Load Management Receptacles	Two switchable 2-outlet load banks
Output AC Waveform (AC Mode)	Pure Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave

INPUT

Rated input current (Maximum Load)	7.49A
Nominal Input Voltage(s) Supported	200V AC; 208V AC; 220V AC; 230V AC; 240V AC
UPS Input Connection Type	C14 inlet
Input Phase	Single-Phase

BATTERY

Full Load Runtime (min.)	4.5 min. (1350w)
Half Load Runtime (min.)	12.6 min. (675w)
Expandable Battery Runtime	Supports extended runtime with optional external battery packs
External Battery Pack Compatibility	BP36V15-2U (limit 1); BP36V27-2US (multi-pack compatible); BP36V42-3U (multi-pack compatible)
DC System Voltage (VDC)	36
Battery Recharge Rate (Included Batteries)	Less than 5.8 hours from 10% to 90% (typical, full load discharge)
Internal UPS Replacement Battery Cartridge	RBC36S
Battery Access	Front panel battery access door
Battery Replacement Description	Hot-swappable, replaceable batteries
Expandable Runtime	Yes

VOLTAGE REGULATION

Voltage Regulation Description	Online, double-conversion power conditioning
Overvoltage Correction	2% output voltage regulation during overvoltages to 288V
Undervoltage Correction	2% output voltage regulation during undervoltages to 160V (100% load), 130V (70% load), 100V (30% load)

USER INTERFACE, ALERTS & CONTROLS

Front Panel LCD Display	Interactive front-panel LCD interface reports UPS operating mode, detailed UPS status and site-power information; LCD interface also enables a variety of advanced UPS setup and configuration options
Switches	5 front panel switches: On/Off, Up, Down and Escape
Alarm Cancel Operation	Power-fail alarm can be silenced by following on-screen prompts
Audible Alarm	Audible alarm indicates power failure, low battery, overload and fault
LED Indicators	4 front panel LEDs: AC input (green), AC output (green), Battery (yellow), Fault (red)

SURGE / NOISE SUPPRESSION	
UPS Dataline Suppression Details	Single line dialup / network dataline protection included
EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	936
AC Suppression Response Time	Instantaneous

PHYSICAL	
Included Mounting Accessory Description	4 post installation accessories included
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)
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	3.46 x 17.24 x 19.53
UPS Power Module Dimensions (hwd, cm)	8.79 x 43.79 x 49.61
Rack Height (U Spaces)	2
Minimum Required Rack Depth (inches)	26
Minimum Required Rack Depth (cm)	66.04
UPS Power Module Weight (lbs.)	44.88
UPS Power Module Weight (kg)	20.36
UPS Shipping Dimensions (hwd / in.)	9.45 x 22.24 x 27.56
UPS Shipping Dimensions (hwd / cm)	24.00 x 56.49 x 70.00
Shipping Weight (lbs.)	53.86
Shipping Weight (kg)	24.5
Cooling Method	Fan
UPS Housing Material	Metal
Minimum Required Rack Depth (mm)	660
Primary UPS Height (mm)	88
Primary UPS Width (mm)	438
Primary UPS Depth (mm)	496
Shipping Height (mm)	240
Shipping Width (mm)	565

Shipping Depth (mm)	700

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	5 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	330
AC Economy Mode BTU / Hr. (Full Load)	142
Battery Mode BTU / Hr. (Full Load)	689
AC Mode Efficiency Rating (100% Load)	>93%
AC Economy Mode Efficiency Rating (100% Load)	>97%
Audible Noise	<45dB at front side 1M

COMMUNICATIONS	
Communications Interface	USB (HID enabled); DB9 Serial; Contact closure; EPO (emergency power off); Slot for SNMP/Web interface
Network Management Cards	SNMPWEBCARD; WEBCARDLX
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications

LINE / BATTERY TRANSFER	
Transfer Time	No transfer time (0 ms.) in online, double-conversion mode; 2-12 ms. transfer time during economy mode operation
Low Voltage Transfer to Battery Power (Setpoint)	160V (100% load), 140V (66% load), 120V (33% load)
High Voltage Transfer to Battery Power (Setpoint)	288V

SPECIAL FEATURES	
Grounding Lug	Back panel grounding lug included
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Automatic inverter bypass; Hot swappable batteries
Green Energy-Saving Features	High efficiency economy mode operation; Individually controllable load banks

CERTIFICATIONS	

UPS Certifications	CE; ENERGY STAR Qualified; Tested to CSA (Canada); Tested to EAC (Belarus, Kazakhstan, Russia); Tested to SASO (Saudi Arabia); Tested to UL1778 (USA)
UPS Certification Details	IEC62040-1:2008+A1; UL1778 5th; Meets EMI approvals IEC62040-2:2006; FCC Part 15

WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance