



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
[www.tripplite.com](http://www.tripplite.com)

## SmartOnline 2.2kVA On-Line Double-Conversion UPS, 2U Rack/Tower, 200/220/230/240V C13/C19 outlets

MODEL NUMBER: **SUINT2200RTXL2U**



## Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	2200
Output kVA Capacity (kVA)	2.2
Output Watt Capacity (Watts)	1600
Output kW Capacity (kW)	1.6
Power Factor	0.7
Crest Factor	3:1
Nominal Output Voltage(s) Supported	200V; 220V; 230V; 240V
Nominal Voltage Details	230V default
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Output frequency matches input nominal on startup, defaults to 50 Hz on cold-start
Output Voltage Regulation (Line Mode)	+/- 3%
Output Voltage Regulation (Economy Line Mode)	+/- 10%
Output Voltage Regulation (Battery Mode)	+/- 3%
UPS Output Receptacles	4 C13 outlet(s); 2 C19 outlet(s)
Included Output Power Cables	Includes 2 C13 to C14 and 1 C20 to C19 output power cables



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Load Management Receptacles	Two switchable single-outlet C19 load banks
Hot-Swap PDU options	PDUBHV20 (2U / 6 C13, 2 C19 outlets)
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
<b>INPUT</b>	
Rated input current (Maximum Load)	9.7A (200V), 9.3A (208V), 8.8A (220V), 8.5A (230V), 8.1A (240V)
Nominal Input Voltage(s) Supported	200V AC; 220V AC; 230V AC; 240V AC
UPS Input Connection Type	C20 inlet
UPS Input Connection Description	C20 inlet accepts user-supplied AC power cord
Input Circuit Breakers	15A
Input Phase	Single-Phase
<b>BATTERY</b>	
Full Load Runtime (min.)	5 min. (1600w)
Half Load Runtime (min.)	14 min. (800w)
Expandable Battery Runtime	Supports extended runtime with optional external battery packs
External Battery Pack Compatibility	<a href="#">BP48V24-2U</a> (limit 1); <a href="#">BP48V60RT-3U</a> (multi-pack compatible); <a href="#">BP48V27-2US</a> (multi-pack compatible)
DC System Voltage (VDC)	48
Battery Recharge Rate (Included Batteries)	Less than 6 hours from 10% to 80% (typical, full load discharge)
Internal UPS Replacement Battery Cartridge	<a href="#">RBC94-2U</a>
Battery Access	Front panel battery access door
Battery Replacement Description	Hot-swappable, user replaceable batteries
<b>VOLTAGE REGULATION</b>	
Voltage Regulation Description	Online, double-conversion power conditioning
Overvoltage Correction	3% output voltage regulation during overvoltages to 275
Undervoltage Correction	3% output voltage regulation during undervoltages to 156
Severe Undervoltage Correction	3% output voltage regulation during undervoltages to 130 (under 70% load only)
<b>LEDS ALARMS &amp; SWITCHES</b>	
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
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch



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Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC Suppression Joule Rating	660
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
<b>PHYSICAL</b>	
Included Mounting Accessory Description	4 post rackmount installation accessories included
Installation Form Factors Supported with Optional Accessories	2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND)
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	3.5 x 17.5 x 19
UPS Power Module Dimensions (hwd, cm)	8.9 x 44.4 x 48.3
Rack Height (U Spaces)	2U
UPS Power Module Weight (lbs.)	47.5
UPS Power Module Weight (kg)	21.6
UPS Shipping Dimensions (hwd / in.)	9 x 20.3 x 23
UPS Shipping Dimensions (hwd / cm)	23 x 51.4 x 58.4
Shipping Weight (lbs.)	59.8
Shipping Weight (kg)	27.1
Cooling Method	Fan
UPS Housing Material	Steel
<b>ENVIRONMENTAL</b>	
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 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	885.6
AC Economy Mode BTU / Hr. (Full Load)	347.2
Battery Mode BTU / Hr. (Full Load)	885.6
AC Mode Efficiency Rating (100% Load)	86%



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AC Economy Mode Efficiency Rating (100% Load)	94%
Audible Noise	Audible Noise: 50dBA At Front Side 1 Meter
<b>COMMUNICATIONS</b>	
Communications Interface	USB (HID enabled); DB9 Serial; Contact closure; EPO (emergency power off); Slot for SNMP/Web interface
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications
PowerAlert Software	Included
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
<b>LINE / BATTERY TRANSFER</b>	
Transfer Time	No transfer time (0 ms.) in online, double-conversion mode
Low Voltage Transfer to Battery Power (Setpoint)	160V (100% load), 130V ( <70% load)
High Voltage Transfer to Battery Power (Setpoint)	275
<b>SPECIAL FEATURES</b>	
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; Schedulable daily hours of economy mode operation
<b>CERTIFICATIONS</b>	
UPS Certifications	CE; Tested to SASO (Saudi Arabia)
UPS Certification Details	Kuwait
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	2-year limited warranty

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