Protocols connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Recommended for small/medium servers, networking equipment and telecom systems.

Description
The SUINT2000XLCD SmartOnline® 230V 2kVA 1800W 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 converts AC input to DC power, and then converts DC to fully regulated sine wave AC output with +/-2% voltage regulation in online, double-conversion mode.

Featuring seven C13 outlets, the SUINT2000XLCD has an internal battery that provides 12 minutes of support at half load (900W) and 4.7 minutes at full load (1800W). Adding external battery packs, such as BP48V27-2US (sold separately), provides extended runtime. Operating in optional economy mode reduces heat output and cooling requirements and consumes less electricity.

An interactive front-panel LCD screen displays operating conditions and diagnostic data, such as load, voltage and battery levels. An audible alarm signals UPS startup, power failure, low battery, overload, UPS fault and remote shutdown conditions.

EMI/RFI line noise filtering improves your equipment’s performance, and 425-joule surge suppression prevents equipment and data damage from harmful power surges. With Tripp Lite’s PowerAlert® software, the SUINT2000XLCD enables safe unattended system shutdown and file saves in case of a prolonged power failure. A built-in card slot supports TLNETCARD, WEBCARDLX, SNMPWEBCARD, MODBUSCARD and RELAYIOCARD for network interface and remote monitoring and control.

Features
Protects Mission-Critical Rack-Mounted Equipment

- Provides fully regulated sine wave AC output for small/medium servers, networking equipment and telecom systems
- +/-2% voltage regulation in online, double-conversion mode
- 230V output voltage
Specifications

- High 0.9 power factor offers 2000VA/1800W output capacity
- 7 C13 outlets; C14 input connection
- Set of 3 C13/C14 jumpers included
- 425-joule surge suppression rating

**Reliable Battery Backup with Expandable Runtime**
- Supports half load for 12 min. and full load for 4.7 min.
- Zero transfer time suitable for advanced network applications
- Expandable runtime with optional external battery packs, such as Tripp Lite’s BP48V27-2US
- Restarts automatically after lengthy power outages

**SNMP/Web Capability**
- Built-in slot for SNMP network interface and relay card for remote monitoring and control options
- Compatible with TLNETCARD, WEBCARDLX, SNMPWEBCARD, MODBUSCARD and RELAYIOCARD

**EMI/RFI Line Noise Filtering**
- Removes electromagnetic and radio frequency interference that can disrupt or damage equipment’s performance

**Interactive LCD Screen**
- Reports detailed status information, including load, voltage and battery levels

**Audible Alarm**
- Indicates startup/shutdown, power failure, low battery, overload and fault conditions

**Communications Ports**
- 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

**Optional Economy Mode**
- Efficiently minimizes heat output, reduces cooling requirements and consumes less electricity

---

### OVERVIEW

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPC Code</td>
<td>037332194886</td>
</tr>
<tr>
<td>UPS Type</td>
<td>On-Line</td>
</tr>
</tbody>
</table>

### OUTPUT

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Volt Amp Capacity (VA)</td>
<td>2000</td>
</tr>
<tr>
<td>Output kVA Capacity (kVA)</td>
<td>2</td>
</tr>
<tr>
<td>Output Watt Capacity (Watts)</td>
<td>1800</td>
</tr>
<tr>
<td>Output kW Capacity (kW)</td>
<td>1.8</td>
</tr>
<tr>
<td>Feature</td>
<td>Specification</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>Power Factor</td>
<td>0.9</td>
</tr>
<tr>
<td>Crest Factor</td>
<td>3:1</td>
</tr>
<tr>
<td>Nominal Voltage Details</td>
<td>230V default</td>
</tr>
<tr>
<td>Frequency Compatibility</td>
<td>50 / 60 Hz</td>
</tr>
<tr>
<td>Frequency Compatibility Details</td>
<td>ON LINE MODE: Output frequency is automatically configured to match nominal input frequency on startup; Output matches input frequency when +/-5Hz of nominal; Output is regulated to +/-0.05Hz when input frequency exceeds +/-5Hz of nominal; UPS switches to battery mode when input frequency is below 40Hz or above 70Hz; BATTERY MODE: Output is regulated to +/-0.05Hz of selected nominal.</td>
</tr>
<tr>
<td>Output Voltage Regulation (Line Mode)</td>
<td>+/- 2%</td>
</tr>
<tr>
<td>Output Voltage Regulation (Economy Line Mode)</td>
<td>+/- 10%</td>
</tr>
<tr>
<td>Output Voltage Regulation (Battery Mode)</td>
<td>+/- 3%</td>
</tr>
<tr>
<td>Included Output Power Cables</td>
<td>Includes three C13 to C14 power cables</td>
</tr>
<tr>
<td>Output AC Waveform (AC Mode)</td>
<td>Pure Sine wave</td>
</tr>
<tr>
<td>Output AC Waveform (Battery Mode)</td>
<td>Pure Sine wave</td>
</tr>
<tr>
<td>Output Capacity Details</td>
<td>OVERLOAD CAPACITY: Supports inverter operation up to 105% load continuously, 125% load for 1 minute; 150% load for 30 seconds; Loads greater than 150% trigger immediate switchover to BYPASS (when input voltage and frequency are WITHIN bypass limits) or SHUTDOWN (when input voltage and frequency are OUTSIDE bypass limits).</td>
</tr>
<tr>
<td>Nominal Output Voltage(s) Supported</td>
<td>220V; 230V; 240V</td>
</tr>
<tr>
<td>Output Receptacles</td>
<td>(7) C13</td>
</tr>
<tr>
<td>Individually Controllable Load Banks</td>
<td>No</td>
</tr>
</tbody>
</table>

**INPUT**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated input current (Maximum Load)</td>
<td>9.8A 220V; 9.3A 230V; 8.9A 240V</td>
</tr>
<tr>
<td>Nominal Input Voltage(s) Supported</td>
<td>220V AC; 230V AC; 240V AC</td>
</tr>
<tr>
<td>Nominal Input Voltage Description</td>
<td>230V factory default</td>
</tr>
<tr>
<td>UPS Input Connection Type</td>
<td>C14 inlet</td>
</tr>
<tr>
<td>Input Circuit Breakers</td>
<td>20A</td>
</tr>
<tr>
<td>UPS Input Cord Length (ft.)</td>
<td>10</td>
</tr>
<tr>
<td>UPS Input Cord Length (m)</td>
<td>3.1</td>
</tr>
<tr>
<td>Recommended Electrical Service</td>
<td>230V</td>
</tr>
<tr>
<td>Input Phase</td>
<td>Single-Phase</td>
</tr>
</tbody>
</table>

**BATTERY**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Load Runtime (min.)</td>
<td>4.7 min. (1800w)</td>
</tr>
<tr>
<td>Half Load Runtime (min.)</td>
<td>12 min. (900w)</td>
</tr>
<tr>
<td>Expandable Battery Runtime</td>
<td>Extended runtime supported via optional external battery packs</td>
</tr>
</tbody>
</table>
### External Battery Pack Compatibility

- **BP48V27-2US** (multi-pack compatible)
- **BP48V60RT-3U** (multi-pack compatible)

### Expandable Runtime Description

External battery configurations require the use of Tripp Lite's External Battery Configuration Software, see manual for details.

### DC System Voltage (VDC)

- **48**

### Battery Recharge Rate (Included Batteries)

- Less than 5.4 hours from 10% to 90% (typical, full load discharge)

### VOLTAGE REGULATION

#### Voltage Regulation Description

Online, double-conversion power conditioning

#### Overvoltage Correction

- 2% output voltage regulation during overvoltages to 280

#### Undervoltage Correction

- 2% output voltage regulation during undervoltages to 80V (50% load), 175V (100% load)

### USER INTERFACE, ALERTS & CONTROLS

#### Front Panel LCD Display

- Front panel LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, operating mode, alarm function and a variety of additional information

#### Switches

- ON switch supports inverter-on, battery-test, alarm-off and enter functions; OFF switch supports inverter-off and fault-clear functions; SETUP switch enables scroll-down and enter setup-mode functions

#### Alarm Cancel Operation

- Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available

#### Audible Alarm

- Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions

### SURGE / NOISE SUPPRESSION

#### UPS AC Suppression Joule Rating

- **425**

#### UPS AC Suppression Response Time

- **Instantaneous**

#### EMI / RFI AC Noise Suppression

- **Yes**

### PHYSICAL

#### Cooling Method

- **Fan**

#### Primary Form Factor

- **Tower**

#### Primary UPS Depth (mm)

- **361**

#### Primary UPS Height (mm)

- **325**

#### Primary UPS Width (mm)

- **191**

#### Shipping Dimensions (hwd / cm)

- **44.20 x 29.97 x 50.55**

#### Shipping Dimensions (hwd / in.)

- **17.40 x 11.80 x 19.90**

#### Shipping Weight (kg)

- **22.68**

#### Shipping Weight (lbs.)

- **50.00**
<table>
<thead>
<tr>
<th><strong>UPS Housing Material</strong></th>
<th>Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UPS Power Module Dimensions (hwd, in.)</strong></td>
<td>12.8 x 7.5 x 14.2</td>
</tr>
<tr>
<td><strong>UPS Power Module Weight (kg)</strong></td>
<td>19.55</td>
</tr>
<tr>
<td><strong>UPS Power Module Weight (lbs.)</strong></td>
<td>43.1</td>
</tr>
</tbody>
</table>

**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** | 0 to 95%, non-condensing |
| **AC Mode BTU / Hr. (Full Load)** | 657 |
| **AC Economy Mode BTU / Hr. (Full Load)** | 256 |
| **Battery Mode BTU / Hr. (Full Load)** | 1171 |
| **AC Mode Efficiency Rating (100% Load)** | 90% |
| **AC Economy Mode Efficiency Rating (100% Load)** | 96% |
| **Operating Elevation (ft.)** | 0-3000ft |
| **Audible Noise** | < 50 dB at front side 1m |
| **Operating Elevation (m)** | 0-1000m |

**COMMUNICATIONS**

| **Communications Interface** | DB9 Serial; Slot for SNMP/Web interface; USB (HID enabled) |
| **Network Management Cards** | SNMPWEBCARD; TLNETCARD; WEBCARDLX; MODBUSCARD;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&n... |
| **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 Local software at http://www.tripplite.com/poweralert |
| **Communications Cable** | USB and DB9 cabling included |

**LINE / BATTERY TRANSFER**

| **Transfer Time** | Zero transfer time (0 ms.) |
| **Low Voltage Transfer to Battery Power (Setpoint)** | 80V (<50% load), 175V (100% load) |
| **High Voltage Transfer to Battery Power (Setpoint)** | 280 |

**SPECIAL FEATURES**

<p>| <strong>Cold Start (Startup in Battery Mode During a Power Failure)</strong> | Cold-start operation supported |
| <strong>High Availability UPS Features</strong> | Automatic inverter bypass; Hot swappable batteries |</p>
<table>
<thead>
<tr>
<th>Green Energy-Saving Features</th>
<th>High efficiency economy mode operation</th>
</tr>
</thead>
</table>

### CERTIFICATIONS

<table>
<thead>
<tr>
<th>UPS Certifications</th>
<th>CE</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>UPS Certification Details</th>
</tr>
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</table>

### WARRANTY

<table>
<thead>
<tr>
<th>Product Warranty Period (Worldwide)</th>
<th>2-year limited warranty</th>
</tr>
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</table>

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https://www.tripplite.com/products/product-certification-agencies