Tower Models

GENERAL
Rated Capacity: 425VA, 525 VA, 625 VA, 800VA, 1000 VA, 1200 VA, 1500VA, 2200VA
Technology: Line-interactive topology with simulated sinewave output on battery

INPUT
Phase: Single phase plus ground
Input Voltages: 110V, 115V, 120V or 220V, 230V, 240V
Input Voltage Range: ± 25%
Frequency: 50 / 60 Hz auto sensing
AC Frequency Range: 45 - 65 Hz
Input Current (120V): 425-3.5A, 525-4.4A, 625-5.2A, 800-6.7A, 1000-8.3A, 1200-10A, 1500-12.5A, 2200-18.3A
Input Current (230V): 425-1.8A, 525-2.3A, 625-2.7A, 800-3.5A, 1000-4.3A, 1200-5.2A, 1500-6.5A, 2200-9.6A
Input Protection: Fuse or circuit breaker for overload and short circuit (model dependent)
DC Bus Voltage: 425VA ~ 625VA - 12V, 800VA ~ 1500VA - 24V, 2200VA - 48V

OUTPUT
Output Voltage: 110V, 115V, 120V or 220V, 230V, 240V
Voltage Regulation: ± 5% (425VA - 2200VA)
Power Factor: 0.6
Frequency Regulation: ± 1% (while on battery)
Automatic Voltage Regulation: Increases or decreases output voltage by 15% if the input voltage decreases or increases by between 9% and 25%
Transfer Time: Between 2 and 4 milliseconds including detection time
Efficiency (Standby Mode): Greater than 95%
Overload Capacity: 110% for 60 seconds, 130% for 3 seconds

19” Rack-Mount Models

GENERAL
Rated power: 1000 VA, 1500 VA, 2200 VA
Technology: Line-interactive topology with simulated sinewave output on battery

INPUT
Phase: Single phase plus ground
Input Voltages: 110V, 115V, 120V or 220V, 230V, 240V
Input Voltage Range: ± 25%
Frequency: 50 / 60 Hz auto-sensing
AC Frequency Range: 45 - 65 Hz
Input Current (120V): 1000VA - 8.3A, 1500VA - 12.5A, 2200VA - 18.3A
Input Current (230V): 1000VA - 4.3A, 1500VA - 6.5A, 2200VA - 9.6A
Input Protection: Fuse or circuit breaker for overload and short circuit (model dependent)
DC Bus Voltage: 1000V - 18V, 1500VA - 24V, 2200VA - 48V

OUTPUT
Output Voltage: 110V, 115V, 120V or 220V, 230V, 240V
Voltage Regulation: ± 5% (1000VA - 2200VA)
Power Factor: 0.6
Frequency Regulation: ± 1% (while on battery)
Automatic Voltage Regulation: Increases or decreases output voltage by 15% if the input voltage decreases or increases by between 9% and 25%
Transfer Time: Between 4 and 8 milliseconds including detection time
Efficiency (Standby Mode): Greater than 95%
Overload Capacity: 110% for 60 seconds, 130% for 3 seconds
All Models

ALARMS AND INDICATORS

Battery Backup: Slow beeping tone (approx. 0.25Hz)
Battery Low: Rapid beeping tone (approx. 1.00Hz)
Overload: Continuous tone
Front Panel Display: LED's
LED Display Parameters: On Line (AC normal), On Battery (AC failure), Battery Fault
(425VA ~ 625VA models)
LED Display Parameters: On Line (AC normal), On Battery (AC failure), Battery Fault, AVR Boost, AVR Buck
(800VA ~ 2200VA models)
Communication (std): RS-232 communication port and solid state signaling or USB
(optional): SNMP/WEB card or module for monitoring and control on a network or the internet

STANDARDS

Safety: EN50091-1-1
Emissions: EN50091-2 class B
Immunity: EN50091-2
Conformity: UL 1778, cUL 107.1, 107.2, (120V models), CE (230V Models)
Transient Immunity (120V): Per IEEE 62.41 (formerly IEEE 587)
Transient Immunity (230V): Per IEEE C 61000-4-5 level 3

ENVIRONMENTAL

Ambient temperature range: +32 °F to +86°F (+0 °C to +30 °C)
Optimum temperature range: +59 °F to +77°F (+15 °C to +25 °C)
Storage temperature: +5 °F to +122°F (-15 °C to +50 °C)
Cooling: Natural convection (425VA ~ 800VA), Forced air (1000VA ~ 2200VA)
Humidity: 0-95%, non-condensing
Elevation: 10,000 feet max (operation), 45,000 feet (storage)
Audible noise: < 40 db normal and battery mode (All models)

MODEL & PART NUMBER DESIGNATION

120V Tower Models: STWC-0425-01, STWC-0525-01, STWC-0625-01, STWS-0800-01, STWS-1000-01, STWS-1200-01, STWS-1500-01, STWS-2200-01
230V Tower Models: STWC-0425-02, STWC-0525-02, STWC-0625-02, STWS-0800-02, STWS-1000-02, STWS-1200-02, STWS-1500-02, STWS-2200-02
120V Rack-Mount Models: SRMS-1000-01, SRMS-1500-01, SRMS-2200-01
230V Rack-Mount Models: SRMS-1000-02, SRMS-1500-02, SRMS-2200-02

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### Tower Models

<table>
<thead>
<tr>
<th>Capacity</th>
<th>425VA / 255 W</th>
<th>525VA / 375 W</th>
<th>625VA / 375 W</th>
<th>800VA / 480 W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Connection</td>
<td>Fixed power cord</td>
<td>Removable IEC cord</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output Connection</td>
<td>6 x NEMA 5-15R (3 backed up and 3 surge only)</td>
<td>5 x NEMA 5-15R</td>
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<td></td>
</tr>
<tr>
<td>Battery Type &amp; Rating</td>
<td>Sealed, lead-acid 7.2Ah/12V</td>
<td>Sealed, lead-acid 7.2Ah/12V</td>
<td>Sealed, lead-acid 7.2Ah/12V</td>
<td>Sealed, lead-acid 7.2Ah/12V</td>
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<tr>
<td>Battery Quantity</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Backup time (full load)</td>
<td>4 min</td>
<td>4 min</td>
<td>4 min</td>
<td>7 min</td>
</tr>
<tr>
<td>Recharge time</td>
<td>&lt;4 hours to 90%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions ins/mm</td>
<td>3.8 x 12.6 x 5.3</td>
<td>5.1 x 15 x 7.9</td>
<td>130 x 382 x 201</td>
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</tr>
<tr>
<td>Weight lbs/kg (net)</td>
<td>12.8 / 5.8</td>
<td>13.7 / 6.2</td>
<td>14.3 / 6.5</td>
<td>28.6 / 13</td>
</tr>
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</table>

### Tower Models

<table>
<thead>
<tr>
<th>Capacity</th>
<th>1000VA / 600W</th>
<th>1200VA / 720 W</th>
<th>1500VA / 900 W</th>
<th>2200VA / 1320 W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Connection</td>
<td>Removable IEC power cord</td>
<td>Fixed power cord</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output Connection</td>
<td>5 x NEMA 5-15R</td>
<td>6 x NEMA 5-15R</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Battery Type &amp; Rating</td>
<td>Sealed, lead-acid 7.2Ah/12V</td>
<td>Sealed, lead-acid 7.2Ah/12V</td>
<td>Sealed, lead-acid 7.2Ah/12V</td>
<td>Sealed, lead-acid 7.2Ah/12V</td>
</tr>
<tr>
<td>Battery Quantity</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Backup time (full load)</td>
<td>6 min</td>
<td>5 min</td>
<td>4 min</td>
<td>6 min</td>
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<tr>
<td>Recharge time</td>
<td>&lt;6 hours to 90%</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Dimensions ins/mm</td>
<td>5.1 x 15 x 7.9</td>
<td>6.7 x 17.6 x 8.4</td>
<td>170 x 448 x 214</td>
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<tr>
<td>Weight lbs/kg (net)</td>
<td>33 / 15</td>
<td>33.4 / 15.2</td>
<td>34.3 / 15.6</td>
<td>66 / 30</td>
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### 19” Rack-mount Models

<table>
<thead>
<tr>
<th>Capacity</th>
<th>600VA / 360W</th>
<th>1000VA / 600 W</th>
<th>1500VA / 900 W</th>
<th>2200VA / 1320 W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Connection</td>
<td>Removable IEC power cord</td>
<td>Fixed power cord</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output Connection</td>
<td>5 x NEMA 5-15R</td>
<td>6 x NEMA 5-15R</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Battery Type &amp; Rating</td>
<td>Sealed, lead-acid 7.0Ah/6V</td>
<td>Sealed, lead-acid 8.0Ah/6V</td>
<td>Sealed, lead-acid 8.5Ah/12V</td>
<td>Sealed, lead-acid 7.2Ah/12V</td>
</tr>
<tr>
<td>Battery Quantity</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Backup time (full load)</td>
<td>4 min</td>
<td>5 min</td>
<td>5 min</td>
<td>6 min</td>
</tr>
<tr>
<td>Recharge time</td>
<td>&lt;8 hours to 90%</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Dimensions ins/mm</td>
<td>19 x 14.3 x 1.73</td>
<td>19 x 14 x 3.3</td>
<td>19 x 13.8 x 5.1</td>
<td>19 x 13.8 x 5.1</td>
</tr>
<tr>
<td>Weight lbs/kg (net)</td>
<td>20.5 / 9.4</td>
<td>25.3 / 11.5</td>
<td>35.9 / 16.3</td>
<td>62.6 / 28.4</td>
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