

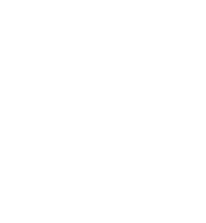
# Powerware 5125 UPS family

## Features

- ▶ Protects connected equipment from common power anomalies including surges, sags, brownouts, and over-voltage
- ▶ Provides more real wattage in less space with a .9 power factor—protecting more equipment and leaving more room for expansion. Available in two-in-one form factor (1000-3000 VA) and rackmount (5000/6000 VA) products
- ▶ Offers the choice of rackmount or tower installation—space-saving 2U packaging for 1000-3000 VA, 3U for 5000/6000 VA models—including batteries
- ▶ Increases battery life through microprocessor-controlled Advanced Battery Management (ABM®) technology
- ▶ Enables prioritized shutdown of non-essential equipment during outages to maximize backup time for critical devices
- ▶ Increases uptime with hot-swappable batteries and electronics, without interrupting power to connected systems (2400-6000 VA models)
- ▶ Ensures data and system integrity with a complete suite of power management software and connectivity options
- ▶ Provides a two-year limited warranty with next business day replacement, 10-year pro-rated warranty, and \$25,000 load protection guarantee; optional Gold Plans available (US and Canada\*)



Powerware 5125 tower model  
1000 to 2200 VA



Powerware 5125 two-in-one  
form factor 1000 to 3000 VA



Powerware 5125 rackmount  
5000 to 6000 VA

## Introducing the expanded Powerware 5125 family of UPSs

The Powerware® 5125 family of uninterruptible power systems (UPSs) resolves the five primary problems with incoming utility power—outages, sags, surges, brownouts, and over-voltage conditions—and supplies clean, conditioned power to all connected equipment. It also offers varying degrees of protection from other problems, such as line noise, frequency variation, harmonics, and switching transients.

Incorporating more than 40 years of UPS design experience, Powerware 5125 UPSs deliver power protection for PC/workstation clusters, enterprise networking systems, server farms, and data center systems—anywhere continuous, clean power must be provided in a compact package at an affordable price.

This proven family of UPSs—which already included models for 1000-3000 VA—has been expanded with new 5000 VA and 6000 VA models that offer space-saving designs and innovative features at competitive prices to deliver greater return from your IT investment.

### Power more servers in less space

Powerware 5125 models in the 1000-3000 VA range only occupy 2U. For maximum deployment flexibility, the standard chassis (available in beach gray or black) can be deployed as a tower unit or in a rack.

## Snapshot

**Power Rating:** 1000-2200 VA tower models  
1000-3000 VA - two-in-one models (rackmount and tower)  
5000-6000 VA rackmount models

**Voltage:** 200, 208, 220, 230, 240 Vac

**Frequency:** 50/60 Hz (auto-sensing)

**Configuration:** tower, two-in-one form factor or rackmount

Up to 6000 VA of UPS power is packed into three units (3U) of rack space—a mere 5.25" high, including batteries. This space-saving 3U design is one of the most power-dense 5000-6000 VA UPSs you can buy. That means more rack space is available for other critical equipment, such as servers, disk arrays, and extra batteries.

In addition to occupying less rack space than competing alternatives, Powerware 5125 UPSs deliver significantly more wattage—more power to protected equipment for the same utility dollar. The new Powerware 5125 5000 VA and 6000 VA models power 30 percent more servers in 40 percent less space compared to the leading competitive offering.

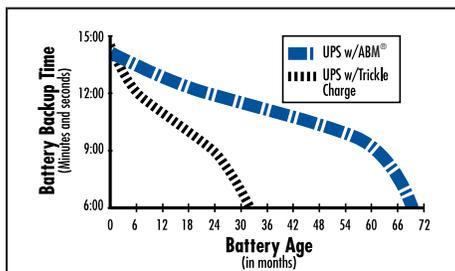
The difference is a .9 power factor—a measure of apparent power versus real power. By delivering more real output power, the Powerware 5125 can actually power more servers than another UPS of equivalent VA rating. This feature applies to two-in-one and rackmount models.

## Line-interactive design shields systems from silent threats

The line-interactive 5125-series UPSs regulate voltage by boosting input utility voltage up or moderating it down as necessary before allowing it to pass to the protected equipment.

And if input voltage varies as much as 20 percent over nominal voltage or 30 percent under—which can easily happen when running on generator power—the Powerware 5125 accepts this inconsistent voltage and delivers clean, consistent output.

Unlike typical line-interactive systems, Powerware 5125 UPSs do not switch back and forth to battery power to accomplish this (which would shorten battery life and increase battery replacement costs), and do not send disruptive voltage spikes when boosting power up to specification.



Data based on tests performed by an independent battery manufacturer.

## Extend battery life with Advanced Battery Management (ABM®) technology

Most UPS manufacturers in the market today offer batteries that are constantly 'trickle-charged'—a process that degrades the battery's internal chemical composition, reducing potential battery service life by as much as 50 percent. In contrast, Powerware ABM technology uses sophisticated sensing circuitry and an innovative three-stage charging technique that increases the useful service life of UPS batteries while optimizing battery recharge time.

The Powerware 5125 provides up to 60 days' notice of the end of useful battery service life, to allow ample time to hot-swap batteries without ever having to shut down connected equipment.

## Add battery modules for even more backup capacity

Up to four Extended Battery Modules can be added to provide additional battery backup capacity as necessary. Batteries are hot-swappable and can be replaced at any time without interrupting UPS operation and load protection.

Extended Battery Modules are available in three forms: tower models, 2U and 3U rackmount models, designed to install tightly in tandem with the UPS for a clean look that enhances the appearance of the data center while saving precious space.

### Powerware 5125 Battery Runtime Chart (minutes full/half load)

| Load VA  | Internal | 1 EBM | 2 EBMs | 3 EBMs | 4 EBMs  |
|--|----------|-------|--------|--------|---------|
| <b>Tower models</b>                            |          |       |        |        |         |
| 1000   | 5/14     | 25/60 | 55/170 | 83/199 | 109/228 |
| 1500   | 6/17     | 33/79 | 63/146 | 92/174 | 120/201 |
| 2200   | 5/14     | 26/60 | 55/170 | 81/198 | 106/224 |
| <b>Two-in-one (rackmount and tower) models</b> |          |       |        |        |         |
| 1000   | 7/19     | 33/68 | 58/120 | 82/166 | 105/214 |
| 1500   | 5/13     | 23/57 | 49/161 | 73/172 | 96/205  |
| 2400   | 7/19     | 35/73 | 60/124 | 85/177 | 110/229 |
| 3000   | 5/15     | 25/61 | 49/103 | 69/146 | 90/190  |
| <b>Rackmount models</b>                        |          |       |        |        |         |
| 5000   | 7/19     | 24/61 | 46/106 | 67/156 | 89/210  |
| 6000   | 5/15     | 19/49 | 36/85  | 53/125 | 71/168  |

\* Up to 4 EBMs can be connected to all models. EBM run times include internal batteries. Run time chart provides typical information. Battery run times are approximate and may vary with equipment, configuration, battery age, temperature, etc.

## Load Segments feature maximizes battery backup for critical systems

Using Powerware LanSafe power management software, you can independently control "Load Segments," which are groups of receptacles on the rear panel of the Powerware 5125 UPS. This feature enables you to manage scheduled shutdowns and sequential startups of protected loads. During a power outage, you could shut down power to non-critical devices (Load Segment 2), thereby extending battery backup time available for critical devices (Load Segment 1). When the Load Segments feature is used with Powerware connectivity cards, users can remotely re-boot locked-up network equipment. Simply connect to the interface card over the network, and toggle the password-protected Load Segment controller to get your network back online.



**Hot-swappable battery modules** - when batteries reach the end of their useful life, replace battery modules without powering down connected equipment (available on all models)

**Hot-swappable electronic modules** - replace electronics modules without shutting down connected equipment (available on 2400 VA to 6000 VA models)



Powerware 5000/6000 VA rackmount model

### Easily service the UPS without interrupting power to protected systems

LEDs on the front panel of the Powerware 5125 indicate the presence of alarm conditions, battery utilization, bad or low batteries, site wiring faults, and incoming utility power, as well as current load levels relative to UPS capacity.

When batteries reach the end of their useful life, or electronics modules require service, replacement is easy. With simple access through the front panel, users can install new battery and electronics modules without ever powering down connected servers or removing the unit from the rack.

The key is an internal automatic bypass feature (available on 2400 VA–6000 VA models) that allows the UPS to continuously provide power to critical equipment while you're working on the system. Even if you pull out the electronics, the UPS keeps doing its job.

### Connectivity options offer maximum flexibility

Connectivity options are available to suit nearly any communication requirement. The standard unit is equipped with a RS-232 serial communications port and a built-in USB port (5000 and 6000 VA models) to interface with power management software. You can customize your UPS by adding any of the following X-slot interface options for other types of communications:

► **ConnectUPS Web/SNMP Interface Card**

enables direct control and monitoring in SNMP-based networks, plus the ability to monitor UPS status and meters through a Web browser (includes built-in switch hub)



► **Multi-server Card**

enables up to six serially connected devices of mixed operating systems to be independently managed and controlled by a single UPS



► **Relay Interface Card**

provides dry-contact interface between the UPS and any relay-connected device, including the IBM® eServer® iSeries (AS/400) and a variety of industrial applications



► **Environmental Monitoring Probe (EMP)**

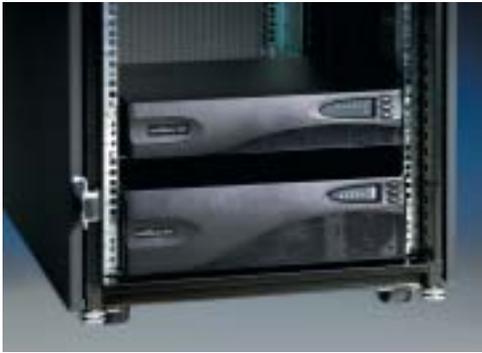
works with the ConnectUPS Web/SNMP card, remotely monitoring temperature, humidity, and the status of two contacts/sensors, such as smoke detector and open-door detector



Powerware 5125 6000 VA rackmount hardwired model

EMP

ConnectUPS-X  
Web/SNMP card



Powerware 5125 2U and 3U rackmount models

**Power management software unifies and centralizes UPS management**

Every Powerware 5125 UPS comes with a CD that includes multimedia demonstrations, product data sheets, and the following power management software:

- ▶ Free LanSafe power management software for network shutdown
- ▶ 30-day trial version of Powerware PowerVision® UPS performance analysis and monitoring software



Powerware LanSafe power management software gives you control and visibility over all your UPS systems, using an intuitive, graphical interface and SNMP (Simple Network Management Protocol).

Using Powerware's innovative power management software, you can securely monitor UPS and battery performance over your LAN or the Web, establish prioritized shutdown of network devices and client/server applications, test all networked UPS systems from one node, analyze trends and network conditions, and stay informed of potential power problems by pager and email.

**Gain a new level of confidence**

The culmination of 40 years of R&D excellence, the newly expanded Powerware 5125 UPS family delivers confidence—confidence that your organization's critical electronics are protected by reliable and effective line-interactive protection, and confidence that Powerware will be there with you for the long term with warranty coverage and expert technical support.

Powerware offers a comprehensive, two-year limited warranty covering parts and labor. For warranty service on your Powerware 5125, we will ship a replacement unit via overnight express.

For added confidence, your Powerware 5125 UPS is also covered by a 10-year pro-rated warranty and \$25,000 load protection guarantee.

To find out more, visit our Web site at [www.powerware.com](http://www.powerware.com), or contact us at 1-800-356-5794.

## Powerware Recommends

| Software   | Connectivity   | Service  | System Solutions   |
|--|--|--|--|
| > Powerware LanSafe power management software ensures data integrity; free updates available  | > Expansion Chassis<br>> Connectivity cards: ConnectUPS Web/SNMP/xHub USB Relay Modbus Multiserver  | > Gold Plan<br>> Gold Plan Plus <br>Enhance your power system maintenance coverage with Gold Plan or Gold Plan Plus service | > Extended Battery Modules<br>> Power Distribution Units  |

\*See the Two-year Limited Warranty, the ten-year Pro-rated Warranty, and the Load Protection Guarantee for Powerware 5125 Products for details.

# Powerware® 5125 Model Selection Guide

| Model Number <sup>1</sup>  | Power Rating (VA/Watt) | Input/Output Voltage (VAC) <sup>2</sup> | Input Connection                   | Output Receptacles <sup>4</sup>                | Dimensions HxWxD (in/mm)                 | Weight (lb/kg) | Part Number/UPC Code            |
|--|------------------------|---|------------------------------------|--|--|----------------|---------------------------------|
| <b>Tower Models (North America)</b>  |                        |   |                                    |  |  |                |                                 |
| PW 5125 1000   | 1000/700               | 120                                     | 5-15P,<br>6 ft line cord           | (6) 5-15R                                      | 9.45 x 6.38 x 15.79/<br>240 x 162 x 401  | 34.3/15.6      | 05146629-5501/<br>790341032937  |
| PW 5125 1500   | 1440/1050              | 120                                     | 5-15P,<br>6 ft line cord           | (6) 5-15R                                      | 9.84 x 6.38 x 18.39/<br>250 x 162 x 467  | 50.7/23.0      | 05146632-5501/<br>790341032968  |
| PW 5125 2200   | 1920/1600              | 120                                     | 5-20P,<br>6 ft line cord           | (6) 5-15R,<br>(2) 5-20R                        | 9.84 x 8.07 x 19.41/<br>250 x 205 x 493  | 68.3/31.0      | 05146635-5501/<br>790341032999  |
| PW 5125 2200b  | 2080/1600              | 208                                     | IEC-320-15A,<br>inlet <sup>3</sup> | (9) IEC-320-10A (C13)                          | 9.84 x 8.07 x 19.41/<br>250 x 205 x 493  | 68.3/31.0      | 05146636-5501/<br>790341033002  |
| <b>Tower Models (International)</b>  |                        |   |                                    |  |  |                |                                 |
| PW 5125 1000i  | 1000/700               | 230                                     | IEC-320-10A,<br>Inlet <sup>3</sup> | (6) IEC-320-10A (C13)                          | 9.45 x 6.38 x 15.79/<br>240 x 162 x 401  | 34.3/15.6      | 05146630-5501/<br>790341032944  |
| PW 5125 1500i  | 1500/1050              | 230                                     | IEC-320-10A,<br>Inlet <sup>3</sup> | (6) IEC-320-10A (C13)                          | 9.84 x 6.38 x 18.39/<br>250 x 162 x 467  | 50.7/23.0      | 790341032975/<br>790341032975   |
| PW 5125 2200i  | 2200/1600              | 230                                     | IEC-320-10A,<br>Inlet <sup>3</sup> | (9) IEC-320-10A (C13)                          | 9.84 x 8.07 x 19.41/<br>250 x 205 x 493  | 68.3/31.0      | 05146637-5501/<br>790341033019  |
| <b>Two-in-One (Rackmount and Tower) Form Factor Models<sup>5</sup> (North America)</b> |                        |   |                                    |  |  |                |                                 |
| PW 5125 1000 RM  | 1000/900               | 120                                     | 5-15P,<br>6 ft line cord           | (6) 5-15R                                      | 3.5 x 17.0 x 19.4/<br>89 x 432 x 494     | 61.0/27.67     | 05146666-5501/<br>790341033033  |
| PW 5125 1500 RM  | 1440/1340              | 120                                     | 5-15P,<br>6 ft line cord           | (6) 5-15R                                      | 3.5 x 17.0 x 19.4/<br>89 x 432 x 494     | 61.0/27.67     | 05146669-5501/<br>790341033064  |
| PW 5125 2400 RM  | 2400/2250              | 120                                     | L5-30P,<br>(12' attached)          | (1) L5-30R,<br>(6) 5-15R                       | 3.5 x 19.0 x 24.5/<br>89 x 483 x 623     | 89.0/40.40     | 05147564-5501/<br>790341035310  |
| PW 5125 3000 RM  | 2880/2700              | 120                                     | L5-30P,<br>(12' attached)          | (1) L5-30R,<br>(6) 5-15R                       | 3.5 x 19.0 x 24.5/<br>89 x 483 x 623     | 89.0/40.40     | 05147152-5501/<br>790341035273  |
| <b>Two-in-One (Rackmount and Tower) Form Factor Models<sup>5</sup> (International)</b> |                        |   |                                    |  |  |                |                                 |
| PW 5125 1000i RM   | 1000/900               | 230                                     | IEC-320-10A,<br>Inlet <sup>3</sup> | (6) IEC-320-10A (C13)                          | 3.5 x 17.0 x 19.4/<br>89 x 432 x 494     | 61.0/27.67     | 05146667-5501/<br>790341033040  |
| PW 5125 1500i RM   | 1500/1340              | 230                                     | IEC-320-10A,<br>Inlet <sup>3</sup> | (6) IEC-320-10A (C13)                          | 3.5 x 17.0 x 19.4/<br>89 x 432 x 494     | 61.0/27.67     | 05146670-5501/<br>790341033071  |
| PW 5125 2400i RM   | 2400/2250              | 230                                     | IEC-309 16A P,<br>(12' attached)   | (1) IEC-320-16A (C19)<br>(9) IEC-320-10A (C13) | 3.5 x 19.0 x 24.5/<br>89 x 483 x 623     | 89.0/40.40     | 05147565-5501/<br>790341035327  |
| PW 5125 3000g RM   | 3000/2700              | 200-240                                 | IEC-320-16A,<br>receptacle         | (1) IEC-320-16A (C19)<br>(9) IEC-320-10A (C13) | 3.5 x 19.0 x 24.5/<br>89 x 483 x 623     | 89.0/40.40     | 05147155-5501/<br>790341035297  |
| PW 5125 3000e RM   | 3000/2700              | 230                                     | IEC-320-16A,<br>receptacle         | (1) IEC-320-16A (C19)<br>(9) IEC-320-10A (C13) | 3.5 x 19.0 x 24.5/<br>89 x 483 x 623     | 89.0/40.40     | 05147641-5501/<br>790341035921  |
| PW 5125 3000i RM   | 3000/2700              | 230                                     | IEC-309 16A P<br>(12' attached)    | (1) IEC-320-16A (C19)<br>(9) IEC-320-10A (C13) | 3.5 x 19.0 x 24.5/<br>89 x 483 x 623     | 89.0/40.40     | 05147154-5501/<br>790341035280  |
| <b>Rackmount Models Only<sup>6</sup></b>   |                        |   |                                    |  |  |                |                                 |
| PW 5125 5000 RM  | 5000/4500              | 200/208, 220,<br>230, 240               | L6-30P                             | L6-30R on short cord,<br>(2) L6-20 (4) C13     | 5.25 x 17.50 x 26.0/<br>133 x 445 x 661  | 161/73         | 103003611-5501/<br>790341043414 |
| PW 5125 6000 RM HW   | 6000/5400              | 200-240                                 | HW (terminal block)                | HW, (4)C19, (4)C13                             | 5.25 x 17.50 x 26.0/<br>133 x 445 x 661  | 161/73         | 103003610-5501/<br>790341043582 |
| PW 5125 6000i RM   | 6000/5400              | 220, 230, 240                           | IEC309-32A                         | IEC309-32A on short<br>cord, (4)C19, (4)C13    | 5.25 x 17.50 x 26.0/<br>133 x 445 x 661  | 161/73         | 103003612-5501/<br>790341043421 |
| <b>Optional Extended Battery Modules (EBMs)</b>  |                        |   |                                    |  |  |                |                                 |
| For use with PW 5125 24 V EBM<br>1000 VA tower models only                             | N/A                    | N/A                                     | N/A                                | N/A  | 9.84 x 6.38 x 18.66/<br>250 x 162 x 474  | 59.5/27.0      | 05146638-5501/<br>790341033088  |
| For use with PW 5125 48 V EBM<br>1500/2200 VA tower models only                        | N/A                    | N/A                                     | N/A                                | N/A  | 9.84 x 6.38 x 18.66/<br>250 x 162 x 474  | 59.5/27.0      | 05146639-5501/<br>790341033095  |
| For use with PW 5125 48 V EBM RM<br>1000/1500 VA RM models only                        | N/A                    | N/A                                     | N/A                                | N/A  | 3.5 x 17.0 x 19.4/<br>89 x 432 x 494     | 65.0/29.5      | 05147148-5501/<br>790341033101  |
| For use with PW 5125 120 RM<br>2400/3000 VA RM models only                             | N/A                    | N/A                                     | N/A                                | N/A  | 3.5 x 19.0 x 24.5/<br>89 x 483 x 622     | 121.0/54.9     | 05147156-5501/<br>790341035303  |
| For use with PW 5125<br>240 EBM (beach grey)<br>5000/6000 VA RM models only            | N/A                    | N/A                                     | N/A                                | N/A  | 5.25 x 17.50 x 24.75/<br>133 x 445 x 629 | 169/76         | 103003387-5501/<br>790341041007 |
| For use with PW 5125<br>240 EBM (black)<br>5000/6000 VA RM models only                 | N/A                    | N/A                                     | N/A                                | N/A  | 5.25 x 17.50 x 24.75/<br>133 x 445 x 629 | 169/76         | 103003387-6501/<br>790341041014 |

1. 50/60 automatic frequency selection. 2. 120 V models are 110 V, 120 V, 127 V user-selectable. 230 V models are 220 V, 230 V, 240 V user-selectable. 208 V models are 208 V, 220 V, 230 V, 240 V user-selectable. 3. Includes (2) each IEC interconnect cables. 4. 1000-1500 VA models are divided into (2) Load Segments (receptacle groups). 2200-3000VA models are divided into (3) Load Segments (receptacle groups). 5000/6000VA models are divided into (2) Load Segments. 5. Unit fits into standard 19-inch racks. Mounting kits are sold separately. 6. 5000/6000 VA models ship with both black and beige front panel bezels; models include rail kits and mounting hardware; factory installed ConnectUPS Web/SNMP/xHub card available by inserting -5507 for -5501.

| Available Options |  |
|-------------------|--|
| Order Number      | Description  |
| 05141562-0021     | 4-post rackmount kit (1000-3000 VA rackmount models) fits 19-inch racks          |
| 05146726-5501     | 2-post rack mount kit (1000-3000 VA rackmount models) fits 19-inch racks         |
| 05146871-5501     | 3-Slot seismic mounting kit (1000/1500 rackmount models only)                    |
| 05146875-5501     | 5-Slot seismic mounting kit (1000/1500 rackmount models only)                    |
| 05146447-5502     | Multi-server card  |
| 05146508-5501     | USB card   |
| 1018460           | Relay card   |
| 103002974-5501    | ConnectUPS Web/SNMP card   |
| 103002510-5501    | Modbus card  |
| 103003637-5501    | Environmental Monitoring Probe (EMP)   |
| 05146519-001      | Powerpass Distribution Module (1000/1500 rackmount models only)                  |
| 05146401-5501     | Power Distribution Unit 250 VA 0U form factor. Side cabinet mount (5000/6000 VA) |

# Technical Specifications<sup>1</sup>

| Electrical Input                                    | 1000–2200 VA  | 2400–3000 VA  | 5000/6000 VA  |
|---|---|---|---|
| Nominal Voltage <sup>2</sup>                        | 120, 208 and 230 Vac <sup>2</sup>   | 120, 208 and 230 Vac <sup>2</sup>                                     | 200/208, 220, 230 and 240 Vac <sup>2</sup>                        |
| Input Voltage Ranges (for user-selectable voltages) | low voltage: 77-152 V<br>high voltage: 154-288 V  |   | 160-288   |
| Operating Frequency                                 | 50/60 Hz, auto-sensing  |   |   |
| Frequency Range                                     | 46-54 hz for 50 hz; 56-64 hz for 60 hz  |   |   |
| Electrical Output                                   |   |   |   |
| On Utility Voltage Regulation                       | -10% to +6% of nominal  |   |   |
| On Battery Voltage Regulation                       | ±5% RMS   |   |   |
| Voltage Wave Shape (on battery)                     | sine wave   |   |   |
| Output Protection                                   | short circuit protection  |   |   |
| Battery   |   |   |   |
| Battery Type  | sealed, lead-acid; maintenance free   |   |   |
| Battery Runtime                                     | see Battery Run Time table  |   |   |
| Battery Replacement                                 | hot-swappable internal batteries and external batteries modules   |   |   |
| Recharge Time                                       | <3 hours to 90% usable capacity   |   |   |
| Start-On-Battery                                    | allows start of UPS without utility input   |   |   |
| General   |   |   |   |
| Electrical Power Module Replcmnt                    | no  | yes, hot-swap   | yes, hot-swap   |
| Diagnostics   | full system self-test on power up   |   |   |
| UPS Bypass  | no bypass   | internal bypass   |   |
| Transfer Time                                       | 4ms typical, 6ms max  |   |   |
| Dimensions and Weights                              | see Model Selection Guide   |   |   |
| Overload (normal operation)                         | 110% overload, shutdown after 3 minutes<br>150% overload, shut down 10 cycles                                     | 100-102 % indefinite, 103-112% 2 minutes and<br>> 112% 12 line cycles |   |
| Communications                                      |   |   |   |
| User Interface                                      | front control panel   |   |   |
| Audible Alarms                                      | for various UPS alarm conditions, including: on battery, low battery, overload, UPS fault                         |   |   |
| Network Transient Protector                         | UL 497 A, in/out jacks RJ45 (high voltage models network protection) & RJ11 (low voltage models modem protection) |   | No  |
| REPO Port   | meets NEC code 645-11 intent and UL requirements  |   |   |
| Communication Ports                                 | see Communications Slot   |   | native USB and serial port  |
| Communication Slot                                  | RS-232 single serial module (standard)<br>options available, see options chart                                    |   | Web/SNMPxHub card factory installed; other options also available |
| Cable   | 6-foot communications cable included  |   |   |
| Power Management Software                           | Powerware Software Suite CD-ROM (bundled with UPS)  |   |   |
| Environmental                                       |   |   |   |
| Safety Certifications                               | UL; cUL; NOM; C-Tick; CE marking  |   | UL; cUL; NOM; C-Tick; CE marking<br>TUV/VDE, GS                   |
| EMC Compliance                                      | FCC Part 15, EN50091-2, Class A<br>for 2.2 KVA and RM; Class B for 1000<br>and 1500 VA tower models               | FCC Part 15, EN50091-2, Class A                                       |   |
| Operating Temperature                               | 0 to 40°C (32 to 104°F)   |   | 10°C to 40°C  |
| Storage Temperature                                 | -15 to 50°C (5 to 122°F)  |   | -25°C to 55°C   |
| Relative Humidity                                   | 0% to 95% non-condensing  |   |   |
| Lightning & Surge Protection                        | ANSI/IEEE C62.41 (IEEE 587), IEC61000-4-5   |   |   |
| Surge Energy Rating                                 | high-energy 6500 A peak   |   |   |
| Audible Noise                                       | less than 40 dBA typical  |   | less than 45 dBA typical  |
| Altitude  | 3000m (10,000 ft) without derating  |   |   |

1. Specifications are subject to change without notice due to continuing product improvement programs. 2. See Model Selection Guide for user-selectable voltages.

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## Powerware

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