POWERWARE
UNINTERRUPTIBLE POWER SYSTEMS

Powerware® 5125 UPS

Product Snapshot

Power Rating: 1000-3000 VA
Frequency: 50/60Hz (auto-sensing)
Voltage: 100-127 Vac; 200-240 Vac
Configuration: Two-in-One form factor and tower

Features

- Advanced Battery Management Plus (ABM™ Plus) doubles battery service life
- Buck/Double Boost voltage regulation with pure sine wave output
- Load Segment control (separate receptacle groups) enable scheduled shutdowns and maximize run time for each critical devices
- Network Transient Protector isolates networks, modems and cables from surges and spikes
- X-Slot option modules that extend the UPSs power management capabilities
- Hot-swappable batteries simplify service
- Extended Battery Modules (EBMs) extend run time capability
- Complete offering of power management software included to ensure data integrity
- 2400/3000VA model increases uptime via hot-swappable electronics and battery module.
- Two-in-One rack and tower form factor provides versatility
- Triple Power Warranty (U.S. and Canada)
  - 10-Year Pro-Rated Warranty
  - 60-Day Money Back Guarantee
  - $25,000 Load protection Guarantee

The Powerware 5125 provides advanced power management for PCs, workstations, and servers. Available in both rack-mount and tower configurations, the Powerware 5125 is the most flexible UPS in the 1 – 3 kVA power range. Featuring capabilities often found in higher kVA units, the 5125 has load segments which enable scheduled shutdowns and load shedding, and offers advanced communications with Powerware's complete power management Software Suite for extensive control and monitoring.

The Powerware 5125 features Powerware's Advanced Battery Management Plus (ABM™ Plus), which doubles battery service life, critical to maximizing system availability. ABM Plus also minimizes recharge time and provides up to 60 days notification when the batteries are approaching the end of their useful life. When alarm notification indicates the end of battery life is near, the batteries can be easily hot-swapped without powering down the connected load. User friendly design allows batteries to be exchanged through the front of the unit.

The Powerware 5125's design provides high power density, which conserves valuable space in rack, bench, bookshelf or floor appliances. All models are manufactured to ISO 9001 standards and meet or exceed worldwide specifications for safety, performance and excellence.

Powerware 5125 Features

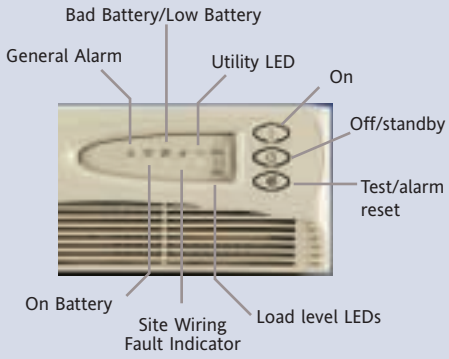
Series 5 Power Protection

Powerware Series 5 UPSs are most effective against five power problems (power failures, power sags, power surges, undervoltage and overvoltage) and offer a degree of protection against other power problems. Some of the damages you risk by not using a series 5 UPS include premature hardware failure, data loss and corruption, data error, keyboard lockup, storage loss and system lockup.

- **Power Failures**
- **Power Sags**
- **Power Surges**
- **Undervoltage**
- **Overvoltage**

Acting as a defensive barrier between your equipment and corrupted power, the Powerware 5125 eliminates the threats caused by power anomalies, thus increasing productivity and your bottom line. Series 5 UPSs are recommended for small network systems – all the way up to enterprise networking environments.

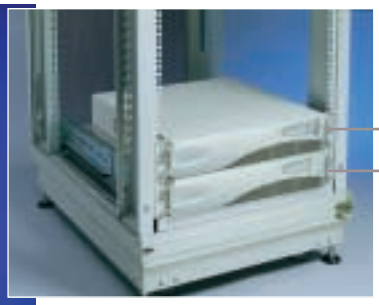
Front Panel Display



Two-in-One Form Factor

Install the Powerware 5125 Two-in-One Models as either a tower or rack-mount UPS.

PW5125 1000 RM Shown



PW5125 1000 shown with EBM. Up to 3000VA of UPS power is packed into only 2U (3.5 inches) of rack space.

The Powerware 5125 Two-in-One Form Factor packs the same technology of the Tower model into a compact design for standard 19-inch equipment racks or use as a stand alone unit. By limiting the rack height (2U) of the UPS, the Powerware 5125 saves room for other critical equipment such as servers and disk arrays. In addition, installable X-Slot option modules provide enhanced communication and scalable power protection for computer equipment.

2400VA and 3000VA models

Hot-Swappable Battery Modules- when batteries reach the end of their useful life, replace battery modules without powering down connected equipment

Hot-Swappable Electronics Modules- replace electronics modules without shutting down connected equipment

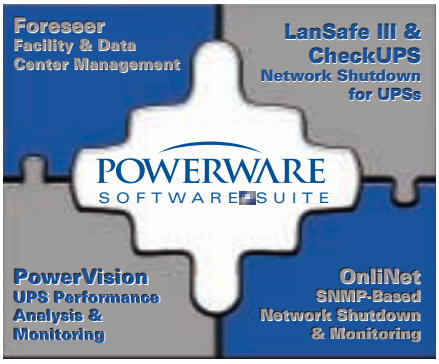
Software and Connectivity Options

Powerware Software Suite

The industry's most comprehensive software bundle, The Powerware Software Suite, is free and included with every Powerware 5125.

Software Wizard guides you through software selection and installation. In addition to multimedia demonstrations, product data sheets, and video clips, the Software Suite contains the following power management software:

- LanSafe III & CheckUPS Network UPS shutdown software
- OnliNet™ SNMP-based network UPS shutdown and monitoring software
- PowerVision® (30-day trial version) UPS performance analysis and monitoring software
- Foreseer® (demonstration) facility and data center management software



Powerware Software Suite


X-slot SNMP/web adapter module shown

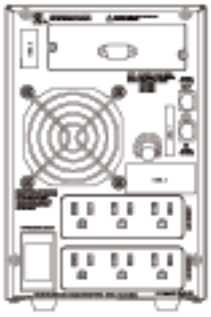
X-Slot Interface

The Powerware 5125 has available connectivity options to suit nearly any communication requirement.

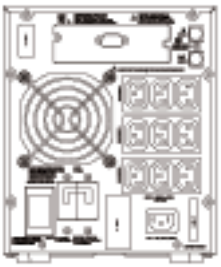
- RS-232 Single Serial Module (standard) for interface with power management software
- SNMP/Web Module (optional) adds direct control and monitoring capabilities in SNMP-based networks. Ability to monitor UPS status and meters through web browser interface
- USB Module (optional) allows UPS to communicate with Windows 98 and ME computers
- Multi-Port Module (optional) six serial ports provides scalability by allowing you to attach multiple UPSs to a single network device
- Relay Module (optional) adds integration to industrial environment, building management systems, and shutdown capability for IBM AS/400

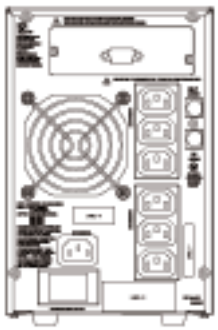
Rear Panels

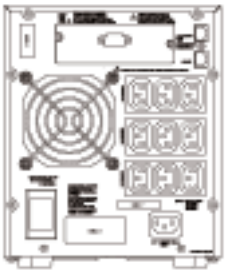
Tower Models


PW5125 1000/1500, 120V


PW5125 2200, 120V

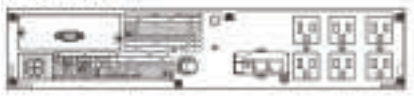

PW5125 2200b, 208V

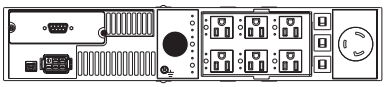

PW 5125 1000i/1500i, 230V

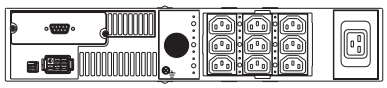

PW5125 2200i, 230V

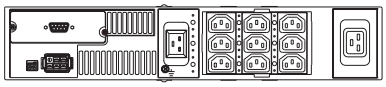
Two-in-One Models


PW5125 1000i/1500i RM, 230V


PW5125 1000/1500 RM, 120V

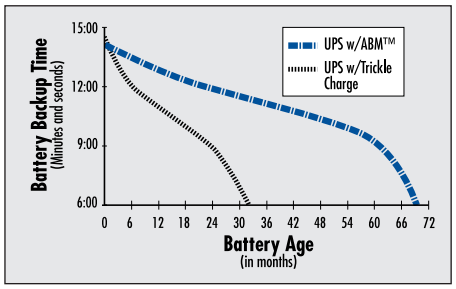

PW5125 2400/3000 RM, 120V


PW5125 2400i/3000i RM, 230V


PW5125 3000g RM, 200-240V

Battery Features & Run times

ABM Plus™ Doubles Battery Service Life



Data based upon tests performed by an independent battery manufacturer.

The lead-acid batteries typically used in a UPS are considered viable as long as they can maintain backup times of at least half that of new batteries. The illustratoin to the right shows that batteries that are constantly trickle charged (as are virtually all other UPSs on the market today) reach the end of their useful life in less than half the time of batteries charged using Advanced Battery Management Plus. ABM Plus uses a proprietary three-stage charging technique that not only doubles battery service life, but also optimizes recharge time and provides up to a 60-day advanced notification of the end of useful battery life.

Powerware 5125 shown with front cover removed and battery shown sliding out.

Hot-Swappable Batteries

You can hot-swap batteries without powering down the connected load on both tower and Two-in-One form factor models. This makes it possible to extend the life of your UPS without returning the unit for service.

Extended Battery Modules (EBMs)

Increasing battery backup time is as simple as plugging in an extended battery module. Hot-swap capability on all Powerware 5125 modules allows you to expand run time or replace battery modules while keeping your critical load up and running.

Powerware 5125 Battery Run Time Chart (in minutes full load/half load)*

VA	Standard Internal Batteries	1 EBM	2 EBMs	3 EBMs	4 EBMs
Tower Models					
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
Two-in-One Form Factor					
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

* Up to 4 EBMs can be connected to 1000-3000VA 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, Network Transient Port and Remote Emergency Power Off (REPO) Port

The Network Transient Protector isolates your modem, fax machine, and other electronic equipment from “back door” power surges. (1000-2200 VA models only)

Shut down and power up Load Segments in user defined sequence

Load Segments are groups of receptacles that can be independently controlled and extend battery backup times for critical equipment. To preserve battery power for more critical equipment. To preserve battery power for more critical equipment connected to Load Segment 1, shut down Load Segment 2 supporting less critical equipment

The REPO port enables you to shut down the UPS and connected equipment from a remote location in an emergency.(Two-in-One models only)

Technical Specifications[1]

Electrical Input	1000– 2200 VA	2400–3000VA
Nominal Voltage	120, 208 and 230 Vac; See Model Selection Guide for user-selectable volages	120, 208, 230 and 240Vac; See Model Selection Guide for user-selectable voltages
Input voltage ranges for user-selectable voltages	Low voltage: 77-152V; High voltage: 154-288V	
Operating Frequency	50/60Hz, Auto-sensing	
Frequency Range	46-65Hz	
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 Run time	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		
Diagnostics	Full System self-test on power up	
UPS Bypass	No Bypass	Internal Bypass
Transfer Time	2-4ms typical	
Dimensions and weights	See Model Selection Guide	
Overload (normal operation)	110% overload, shutdown after 3 minutes. 150% overload, shut down 10 cycles	110% overload for 30 seconds short circuit protected
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)	
REPO Port	Meets NEC code 645-11 intent and UL requirements	
X-Slot Interface	RS-232 Single Serial Module (standard), Other options available: RS-232 Multi-Port Module (6), SNMP/Web Module; USB Module; Relay Module	
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 mark	
EMC Compliance	FCC Part 15, EN50091-2, Class A for 2.2KVA and RM; Class B for 1000 and 1500VA tower models	FCC Part 15, EN50091-2, Class A
Operating Temperature	0 to 40° C (32 to 104° F)	
Storage Temperature	-15 to 50° C (5 to 122° F)	
Relative Humidity	0% to 95% non-condensing	
Lightning & Surge Protection	ANSI/IEEE C62.41 (IEEE 587), IEC61000-4-5	
Surge energy rating	480 Joules	
Audible Noise	Less than 40 dBA typical	
Altitude	3000m (10,000 ft) without derating	

1. Specifications are subject to change without notice due to continuing product improvement programs.

Powerware® 5125 Model Selection Guide

Model Number[1]	Power Rating (VA/Watt)	Input/Output Voltage (VAC)[2]	Input Connection	Output Receptacles[4]	Dimensions HxWxD (in/mm)	Weight (lb/kg)
Tower Models (North America)						
PW5125 1000	1000/700	120	5-15P, 6 ft line cord	(6) 5-15R	9.45 x 6.38 x 15.79/ 240 x 162 x 401	34.3/15.6
PW5125 1500	1440/1050	120	5-15P, 6 ft line cord	(6) 5-15R	9.84 x 6.38 x 18.39/ 250 x 162 x 467	50.7/23.0
PW5125 2200	1920/1600	120	5-20P, 6 ft line cord	(6) 5-15R, (2) 5-20R	9.84 x 8.07 x 19.41/ 250 x 205 x 493	68.3/31.0
PW5125 2200b	2080/1600	208	IEC-320-15A, inlet[3]	(9) IEC-320-10A	9.84 x 8.07 x 19.41/ 250 x 205 x 493	68.3/31.0
Tower Models (International)						
PW5125 1000i	1000/700	230	IEC-320-10A, Inlet[3]	(6) IEC-320-10A	9.45 x 6.38 x 15.79/ 240 x 162 x 401	34.3/15.6
PW5125 1500i	1500/1050	230	IEC-320-10A, Inlet[3]	(6) IEC-320-10A	9.84 x 6.38 x 18.39/ 250 x 162 x 467	50.7/23.0
PW5125 2200i	2200/1600	230	IEC-320-10A, Inlet[3]	(9) IEC-320-10A	9.84 x 8.07 x 19.41/ 250 x 205 x 493	68.3/31.0
Two-in-One Form Factor Models[5] (North America)						
PW5125 1000 RM	1000/900	120	5-15P, 12 ft line cord	(6) 5-15R	3.5 x 17.0 x 19.4/ 89 x 432 x 494	34.0/15.0
PW5125 1500 RM	1440/1050	120	5-15P, 12 ft line cord	(6) 5-15R	3.5 x 17.0 x 19.4/ 89 x 432 x 494	50.0/23.0
PW5125 2400 RM	2400/2250	120	L5-30P, 12 ft line cord	(1) L5-30R, (6) 5-15R	3.5 x 19.0 x 24.5/ 89 x 482.6 x 622.3	101.0/45.8
PW5125 3000 RM	2880/2700	120	L5-30P, 12 ft line cord	(1) L5-30R, (6) 5-15R	3.5 x 19.0 x 24.5/ 89 x 482.6 x 622.3	101.0/45.8
Two-in-One Form Factor Models[5] (International)						
PW5125 1000i RM	1000/700	230	IEC-320-10A, Inlet[3]	(6) IEC-320-10A	3.5 x 17.0 x 19.4/ 89 x 432 x 494	34.0/15.0
PW5125 1500i RM	1500/1050	230	IEC-320-10A, Inlet[3]	(6) IEC-320-10A	3.5 x 17.0 x 19.4/ 89 x 432 x 494	50.0/23.0
PW5125 2400i RM	2400/2250	230	L6-20P, 12 ft line cord	(1) IEC-320-16A, (9) IEC-320-10A	3.5 x 19.0 x 24.5/ 89 x 482.6 x 622.3	101.0/45.8
PW5125 3000g RM	3000/2700	200-240	IEC-320-16A, Inlet[3]	(1) IEC-320-16A, (9) IEC-320-10A	3.5 x 19.0 x 24.5/ 89 x 483 x 622	101.0/45.8
PW5125 3000i RM	3000/2700	230	IEC-309-16A, 12 ft line cord	(1) IEC-320-16A, (9) IEC-320-10A	3.5 x 19.0 x 24.5/ 89 x 483 x 622	101.0/45.8
Optional Extended Battery Modules (EBMs)						
PW5125 24V EBM 1000VA tower models only	—	—	Standard Connector	—	9.84 x 6.38 x 18.66/ 250 x 162 x 474	59.5/27.0
PW5125 48V EBM 1500/2200VA tower models only	—	—	Standard Connector	—	9.84 x 6.38 x 18.66/ 250 x 162 x 474	59.5/27.0
PW5125 48V EBM RM 1000/1500VA RM models only	—	—	Standard Connector	—	3.5 x 17.0 x 19.4/ 89 x 432 x 494	65.0/29.5
PW5125 120 RM 2400/3000VA RM models only	—	—	Standard Connector	—	3.5 x 19.0 x 24.5/ 89 x 483 x 622	121.0/54.9

1. 50/60 automatic frequency selection. 2. 120V models 110V, 120V, 127V user-selectable. 230V models 220V, 230V, 240V user-selectable. 208V models 208V 220V, 230V, 240V user-selectable 3. Includes (2) each IEC interconnect cables. 4. 1000-1500VA models divided into (2) Load Segments (receptacle groups). 2200-3000VA models divided into (3) Load Segments (receptacle groups). 5. Unit fits in standard 19-inch racks. Mounting kits are sold separately.

Available Options

Order Number	Description
05141562-0021	4 post rack-mount kit (fits 19-inch racks)
05146726-5501	2 post rack-mount kit (fits 19-inch racks)
05146447-5501	X-slot multi-port module
05146508-5501	X-slot USB module
To be announced	X-slot relay module
IPK-0330	X-slot SNMP/Web adapter module

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