Powerware® 5125 UPS

Features

- Advanced Battery Management (ABM®) technology doubles battery service life
- Extended Battery Modules (EBMs) increase run time capability
- Buck and Double Boost voltage regulation enables pure sine wave output
- Load Segment Control (separate receptacle groups) enables scheduled shutdowns and maximum run time for each critical device
- Network Transient Protector isolates networks, modems and cables from surges and spikes
- X-Slot option cards extend power management capabilities
- Hot-swappable batteries simplify service
- Complete offering of power management software included to ensure data integrity
- 2400/3000 VA models increase uptime via hot-swappable electronics and battery module
- Two-in-One rack and tower form factor provides versatility
- Warranty

  (U.S. and Canada)

  - 2-Year Limited Warranty
  - 10-Year Pro-Rated Warranty
  - $25,000 Load Protection Guarantee

Product Snapshot

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

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 incorporates 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 our exclusive Advanced Battery Management (ABM®) technology, which doubles battery service life, critical to maximizing system availability. ABM® technology also minimizes recharge time and provides up to 60 days notification when batteries are approaching the end of their useful life. When alarm notification indicates the end of battery life is near, batteries can easily be 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 Recommends

Software

> Powerware Software Suite- Ensures data integrity;. free updates on www.powerware.com

Connectivity

> Expansion Chassis
> Connectivity Cards:
ConnectUPS-M SNMP
(2) Web/SNMP/xHub
USB
Relay
Modbus

Service

> Gold Plan
> Gold Plan Plus

Enhance your power system maintenance coverage with Gold Plan or Gold Plan Plus service

System Solutions

> Extended Battery Modules
> Power Distribution Modules
> Rack mount hardware
> Seismic kit

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Powerware 5125 Features

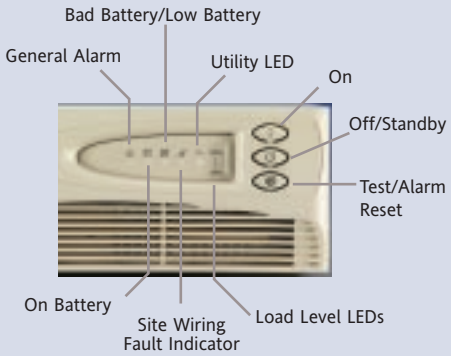
Series 5 Power Protection

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.

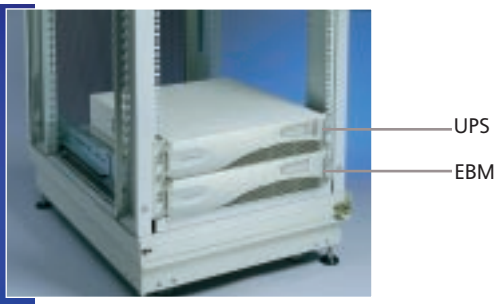
Front Panel Display



Two-in-One Form Factor

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

PW5125 1000 RM Shown



PW 5125 1000 shown with EBM. Up to 3000 VA 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 cards provide enhanced communication and scalable power protection for computer equipment.

Hot-Swappable Components:

2400 VA and 3000 VA models

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

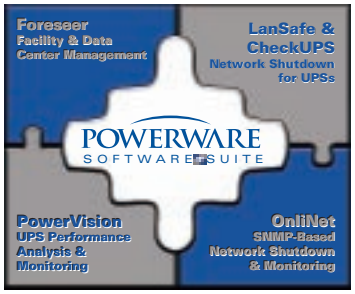
Hot-Swappable Electronics Modules- replace electronics modules without shutting down connected equipment

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 & 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 card shown

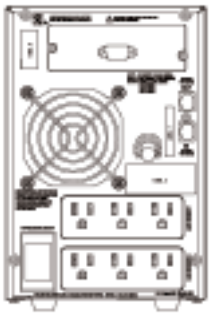
X-Slot Interface

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

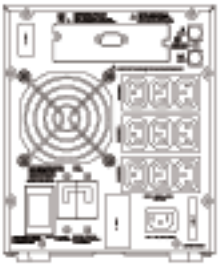
- RS-232 Single Serial Card (standard) for interface with power management software
- SNMP/Web Card (optional) adds direct control and monitoring capabilities in SNMP-based networks; enables ability to monitor UPS status and meters through web browser interface
- USB Card (optional) allows UPS to communicate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

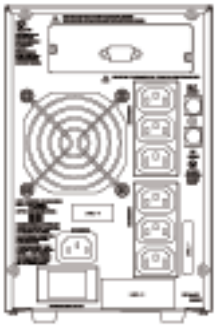
Rear Panels

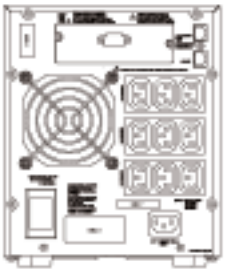
Tower Models


PW 5125 1000/1500, 120 V

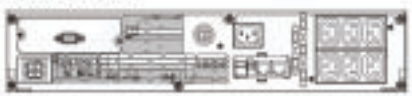

PW 5125 2200, 120 V


PW 5125 2200b, 208 V

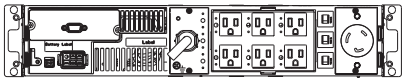

PW 5125 1000i/1500i, 230 V

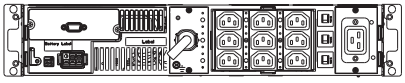

PW 5125 2200i, 230 V

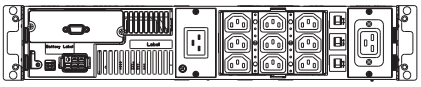
Two-in-One Models

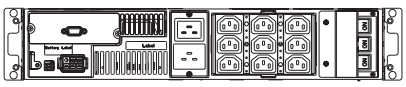

PW 5125 1000i/1500i RM, 230 V


PW 5125 1000/1500 RM, 120 V


PW 5125 2400/3000 RM, 120 V

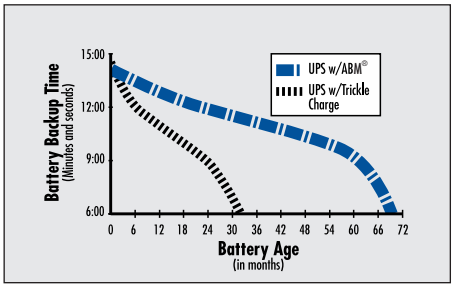

PW 5125 2400i/3000i RM, 230 V


PW 5125 3000e RM, 200-240 V


PW 5125 3000g RM, 200-240 V

Battery Features & Run Times

ABM® Technology Doubles Battery Service Life



Data based on 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 (contained by 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. ABM® technology 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 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 1000-3000 VA 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 appear 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 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	2400–3000 VA
Nominal Voltage	120, 208 and 230 Vac; See Model Selection Guide for user-selectable voltages	120, 208, 230 and 240 Vac; See Model Selection Guide for user-selectable voltages
Input Voltage Ranges (for user-selectable voltages)	Low voltage: 77-152 V; High voltage: 154-288 V	
Operating Frequency	50/60 Hz, Auto-sensing	
Frequency Range	46-65 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 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	2-4 ms 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 Card (standard), other options available: See Available Options Chart	
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 2.2 KVA and RM; Class B for 1000 and 1500 VA 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	3000 m (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)						
PW 5125 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
PW 5125 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
PW 5125 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
PW 5125 2200b	2080/1600	208	IEC-320-15A, inlet[3]	(9) IEC-320-10A (C13)	9.84 x 8.07 x 19.41/ 250 x 205 x 493	68.3/31.0
Tower Models (International)						
PW 5125 1000i	1000/700	230	IEC-320-10A, Inlet[3]	(6) IEC-320-10A (C13)	9.45 x 6.38 x 15.79/ 240 x 162 x 401	34.3/15.6
PW 5125 1500i	1500/1050	230	IEC-320-10A, Inlet[3]	(6) IEC-320-10A (C13)	9.84 x 6.38 x 18.39/ 250 x 162 x 467	50.7/23.0
PW 5125 2200i	2200/1600	230	IEC-320-10A, Inlet[3]	(9) IEC-320-10A (C13)	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)						
PW 5125 1000 RM	1000/900	120	5-15P, 6 ft line cord	(6) 5-15R	3.5 x 17.0 x 19.4/ 89 x 432 x 494	61.0/27.67
PW 5125 1500 RM	1440/1340	120	5-15P, 6 ft line cord	(6) 5-15R	3.5 x 17.0 x 19.4/ 89 x 432 x 494	61.0/27.67
PW 5125 2400 RM	2400/2250	120	L5-30P, (12' attached)	(1) L5-30R, (6) 5-15R	3.5 x 19.0 x 24.5/ 89 x 482.6 x 622.3	89.0/40.40
PW 5125 3000 RM	2880/2700	120	L5-30P, (12' attached)	(1) L5-30R, (6) 5-15R	3.5 x 19.0 x 24.5/ 89 x 482.6 x 622.3	89.0/40.40
Two-in-One Form Factor Models[5] (International)						
PW 5125 1000i RM	1000/900	230	IEC-320-10A, Inlet[3]	(6) IEC-320-10A (C13)	3.5 x 17.0 x 19.4/ 89 x 432 x 494	61.0/27.67
PW 5125 1500i RM	1500/1340	230	IEC-320-10A, Inlet[3]	(6) IEC-320-10A (C13)	3.5 x 17.0 x 19.4/ 89 x 432 x 494	61.0/27.67
PW 5125 2400i RM	2400/2250	230	IEC-309 16A P, (12' attached)	(1) IEC-320-16A (C19) (9) IEC-320-10A (C13)	3.5 x 19.0 x 24.5/ 89 x 482.6 x 622.3	89.0/40.40
PW 5125 3000g RM[6]	3000/2700	200-240	IEC-320-16A, receptacle	(1) IEC-320-16A (C19) (9) IEC-320-10A (C13)	3.5 x 19.0 x 24.5/ 89 x 482.6 x 622.3	89.0/40.40
PW 5125 3000e RM[7]	3000/2700	230	IEC-320-16A, receptacle	(1) IEC-320-16A (C19) (9) IEC-320-10A (C13)	3.5 x 19.0 x 24.5/ 89 x 482.6 x 622.3	89.0/40.40
PW 5125 3000i RM[8]	3000/2700	230	IEC-309 16A P (12'attached)	(1) IEC-320-16A (C19) (9) IEC-320-10A (C13)	3.5 x 19.0 x 24.5/ 89 x 482.6 x 622.3	89.0/40.40
PW 5125 3000j RM[9]	2400/2250	100	L5-30P (12' attached)	(1) L5-30R (6) 5-15R	3.5 x 19.0 x 24.5 89 x 482.6 x 622.3	89.0/40.40
Optional Extended Battery Modules (EBMs)						
PW 5125 24 V EBM 1000 VA tower models only	——	——	Standard Connector	——	9.84 x 6.38 x 18.66/ 250 x 162 x 474	59.5/27.0
PW 5125 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
PW 5125 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
PW 5125 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. 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). 2200-3000 VA models are divided into (3) Load Segments (receptacle groups). 5. Unit fits into standard 19-inch racks. Mounting kits are sold seperately. 6. g-model carries agency listing cUL; C-Tick; TUV/GS; CE. 7. e-model carries agency listing CE Mark only. 8. i - indicating international model, 230 V. 9. j - indicating Japanese model, 100 V.

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)
05146871-5501	3-Slot seismic mounting kit (1000 / 1500 RM models only)
05146875-5501	5-Slot seismic mounting kit (1000 / 1500 RM models only)
05146447-5502	X-Slot Multi-Server Card
05146508-5501	X-Slot USB Card
1018460	X-Slot Relay Card
IPK-0330	X-Slot SNMP / Web Adapter Card
103002510-5501	x-Slot Modbus Card
05146288-5501	X-Slot SNMP Card (used with Onlinet software only)
05146519-001	Powerpass distribution module (1000 / 1500 RM models only)

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