

# Powerware® 5115 UPS

## Features

- ▶ Extends battery service life and provides advanced warning of the end of useful battery life with Advanced Battery Management (ABM®) technology
- ▶ Delivers smooth, continuous power with pure sine wave output
- ▶ Regulates power fluctuations with Buck and Boost voltage regulation
- ▶ Protects equipment connected by network or phone wiring from “back door” power surges with a Network Transient Protector
- ▶ Minimizes downtime with hot-swappable batteries
- ▶ Communicates with LanSafe power management software via serial and USB ports
- ▶ Ensures data integrity with the Software Suite CD
- ▶ Warranty (US and Canada)
  - 2-Year Limited Warranty
  - 10-Year Pro-Rated Warranty
  - \$25,000 Load Protection Guarantee



## Product Snapshot

**Power Rating:** 500-1400 VA  
**Input/Output Voltage:** 110/120 Vac; 220/230/240 Vac  
**Frequency:** 50/60 Hz auto-sensing  
**Configuration:** Tower





The cost-effective Powerware 5115 uninterruptible power system (UPS) is designed to protect NT workstations, small servers, hubs, routers, PCs, and other electronic equipment from power disturbances. Ideally suited for small to medium-sized businesses, the Powerware 5115 UPS features both USB and serial ports to facilitate LanSafe software communication.

To prolong battery service life, the Powerware 5115 incorporates Advanced Battery Management (ABM®) technology, which increases battery service life, optimizes recharge time for quick recovery after power outages, and provides advanced warning of the end of useful battery life. In addition, incoming voltage fluctuations are corrected so they do not affect the performance of connected equipment.

Unlike other competitive UPSs in its class, which use a simulated sine wave, the Powerware 5115 provides pure sine wave output during battery operation. As a result, the connected load continues to receive a quality electrical waveform and operates smoothly even during power outages.

To preserve data integrity, the Powerware 5115 is bundled with the Powerware Software Suite, which contains exclusive power management software featuring extensive power monitoring and control capabilities. Backed by superior performance, the Powerware 5115 UPS keeps your equipment up and running without interruption.

## Powerware Recommends

Software	Connectivity	Service	System Solutions
> Powerware Software CD  Suite includes: - LanSafe v.5 - PowerVision 30-day trial - Foreseer Demo	> Native USB and Serial ports  > Connectivity Cards*: - Web/SNMP/xHub - ConnectUPS - Relay Interface - Multi-Server - Modbus	> Enhance your power system maintenance coverage with Gold Plan 	> Application assistance  > For internal connectivity options, consider PW5125 UPS

\*Expansion Chassis required for connectivity cards.

Please contact your sales representative for a solution tailored to your specific needs.

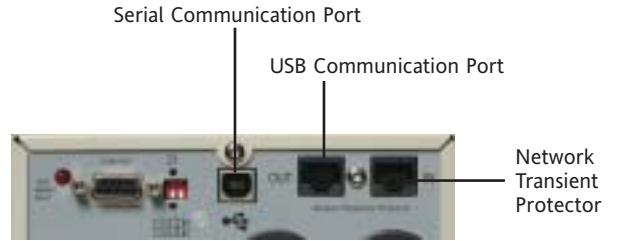
**GSA** Contract Holder

**POWERWARE®**

# Powerware 5115 Features

## USB and Serial Communication Ports

With both USB and serial ports, you can determine the most effective means of LanSafe software communication and eliminate the need for another UPS or special cabling.

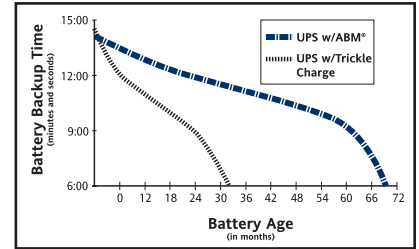


## Network Transient Protector

The Network Transient Protector isolates your modem, fax machine, or other electronic equipment from “back door” power surges. Located on the rear panel is one in/out port for a telephone/modem line (120V models only) or an RJ45 for a 10Base-T network cable.

## Advanced Battery Management (ABM®) Technology Increases Battery Service Life

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 illustration below shows that batteries that are constantly trickle charged (as are virtually all other UPS batteries on the market today) reach the end of their useful life in less than half the time of batteries charged using ABM. ABM uses a three-stage charging technique that increases battery service life, optimizes battery recharge time, and provides advanced notification of the end of useful battery life.



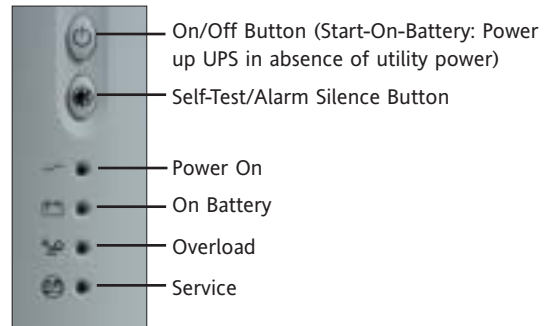
Data based on tests performed by an independent battery manufacturer.

## Informative and User-Friendly Interface

The front panel of the Powerware 5115 indicates the UPS status and identifies potential power problems.

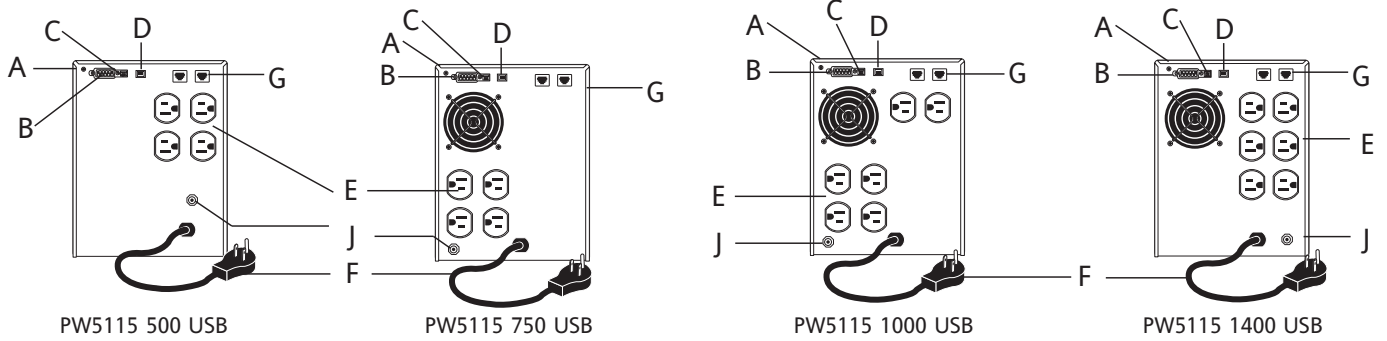
## Hot-Swappable Batteries

Hot-swap and service the batteries without powering down the connected load. This makes it possible to extend the service life of your UPS without returning the unit for service.

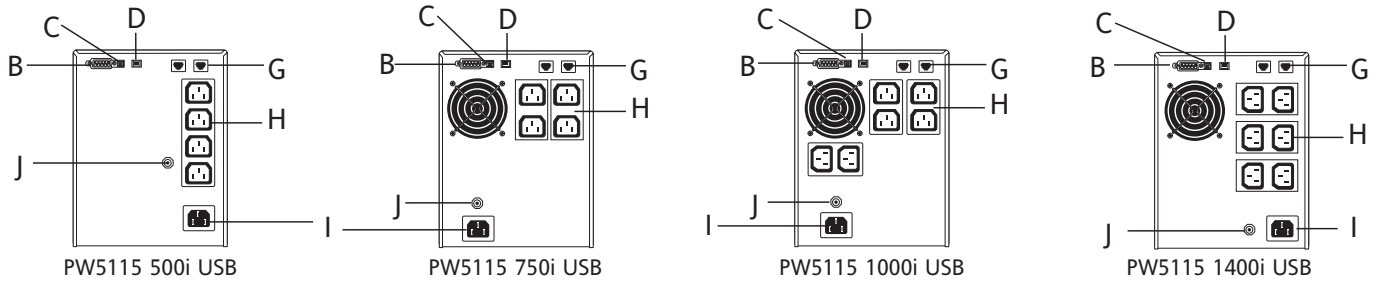


# Powerware 5115 Rear Panels

## 120V Models



## 230V Models



- A. Site Wiring Fault Indicator
- B. Serial Communications Port
- C. DIP Switches (voltage selection)
- D. USB Communication Port
- E. 5-15 Receptacles
- F. 5-15 Plug (90° angle)
- G. Network Transient Protector
- H. 10A, IEC-320 Receptacles
- I. 10A, IEC-320 Input Connector
- J. Input Overcurrent Protector

## Battery Run Times (In Minutes)

Load	PW5115 500(i)	PW5115 750(i)	PW5115 1000(i)	PW5115 1400(i)
200 VA/128W	17	38	41	58
300 VA/192W	11	27	28	41
500 VA/320W	5	14	15	28
600 VA/402W		9	10	19
750 VA/503W		6	8	14
900 VA/603W			6	10
1000 VA/670W			5	8
1200 VA/804W				6
1400 VA/938W				5

*This guide provides typical application information. Battery run times are approximate and may vary with equipment, configuration, disk access, battery age, temperature, etc.*

# Powerware 5115 Model Selection Guide

Model Number	Power Out (VA/Watts)	Input Connection	Output Connections	Dimensions (HxWxD, in./mm)	Unit Weight (lb/kg)
<b>120 Vac<sup>1</sup>; 50/60 Hz auto-sensing</b>					
PW5115 500 USB	500/320	5-15P	(4) 5-15R	7.6 x 5.9 x 10.6/193 x 150 x 270	17.2/7.8
PW5115 750 USB	750/500	5-15P	(4) 5-15R	7.6 x 5.9 x 13.2/193 x 150 x 335	27.3/12.4
PW5115 1000 USB	1000/670	5-15P	(6) 5-15R	7.6 x 5.9 x 13.2/193 x 150 x 335	27.8/12.6
PW5115 1400 USB	1400/950	5-15P	(6) 5-15R	7.6 x 5.9 x 15.4/193 x 150 x 390	37.0/16.8
<b>230 Vac<sup>2</sup>; 50/60 Hz auto-sensing</b>					
PW5115 500i USB	500/320	IEC-320, 10A	(4) IEC-320	7.6 x 5.9 x 10.6/193 x 150 x 270	17.2/7.8
PW5115 750i USB	750/500	IEC-320, 10A	(4) IEC-320	7.6 x 5.9 x 13.2/193 x 150 x 335	27.3/12.4
PW5115 1000i USB	1000/670	IEC-320, 10A	(6) IEC-320	7.6 x 5.9 x 13.2/193 x 150 x 335	27.8/12.6
PW5115 1400i USB	1400/950	IEC-320, 10A	(6) IEC-320	7.6 x 5.9 x 15.4/193 x 150 x 390	37.0/16.8

<sup>1</sup>. Also user-selectable for 110V via rear panel DIP switches. <sup>2</sup>. 230V default; also user-selectable for 220 and 240V via rear panel DIP switches.

## Technical Specifications<sup>1</sup>

### Electrical Input

<b>Voltage</b>	120 and 230 Vac nominal; see Model Selection Guide for user-selectable voltages
<b>Online Voltage Range</b>	±20% of nominal voltage at full load
<b>Nominal Input Frequency</b>	45-65 Hz, 50/60 Hz, auto-sensing
<b>Input Protection</b>	120V models: Resettable circuit breaker 230V models: AC source overcurrent protection device (required)
<b>Connection</b>	See Rear Panels above

### Electrical Output

<b>Power Levels</b>	500-1400 VA
<b>Online Regulation</b>	-10%, +6% of nominal voltage
<b>On Battery Voltage Regulation</b>	±5% of nominal voltage; -10% after low battery warning
<b>On Battery Frequency Regulation</b>	±0.1 Hz of nominal frequency
<b>Voltage Wave Shape</b>	Sine wave (during normal and battery operation)
<b>Interconnecting Cords (230V models)</b>	2 ea. IEC-320, 10A

### Indicators and Controls

<b>Front Panel LEDs</b>	Power on, on battery, overload, and battery fault
<b>Front Panel Buttons</b>	On/Off and alarm silence/self-test
<b>Communications Port</b>	DB9 female or USB (UPS ships with USB and serial communications cables)
<b>Power Factor</b>	500 VA: 0.64; 750/1000 VA: 0.67; 1400 VA: 0.68

### Battery

<b>Battery Type</b>	Sealed, maintenance-free lead-acid; starved electrolyte
<b>Battery Description</b>	500 VA: (1) 12V, 9 Ah 750 VA: (2) 12V, 7.2 Ah 1000 VA: (2) 12V, 9 Ah 1400 VA: (3) 12V, 9 Ah
<b>Battery Recharge</b>	<3 hours to 90% capacity
<b>Battery Runtime</b>	5 minutes minimum; See Battery Runtimes table
<b>Start-On-Battery</b>	Startup with UPS batteries in absence of utility power

### General

<b>Topology</b>	Line-interactive
<b>Dimensions and Weight</b>	See Model Selection Guide
<b>Network Transient Protector</b>	In and out RJ11 jack for telephone/modem protection (120V models only) or RJ45 for 10Base-T network cable; UL497A tested

### Environmental and Safety

<b>Safety Markings</b>	UL, cUL, and CSA; 230V models also CE and TUV
<b>Safety Conformance</b>	UL 1778, CAN/CSA C22.2, No. 107.1; 230V models also EN 50091-1-1 and IEC 60950
<b>EMC Markings</b>	FCC Class B; 230V models also CE (EN50091-2) and C-Tick
<b>Surge Suppression</b>	ANSI C62.41 Category A (formerly IEEE 587)
<b>Immunity</b>	IEC 801-2, -3, -4
<b>Operating Temp</b>	0 to 40°C (32 to 104°F); UL tested 25° (77° F)
<b>Transit/Storage Temp</b>	-15 to 55°C (5 to 131°F)
<b>Audible Noise</b>	<45 dBA, typical
<b>Relative Humidity</b>	5-95% non-condensing

<sup>1</sup>. Due to continuing improvement, program specifications are subject to change without notice. Battery run times are approximate and may vary with equipment, configuration, battery age, temperature, etc.

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