

# EATON

# Powerware

## Powerware 9120 Uninterruptible Power System

Product Focus

700-6000VA



### Product Snapshot

Power Rating : 700-6000VA  
Voltage : 230 Vac  
Frequency : 50 and 60 Hz (auto-sensing)  
Configuration : Tower

### Features

- Series 9 double conversion online.
- Superior electrical performance.
- Extended backup time.
- ABM™, prolongs battery service life by 50%.
- Software Suite bundled.
- Versatile customisation options.
- User friendly, informative LCD display – Parameters displayed are -
  - Input/Output voltage, frequency
  - Load VA/watts
  - Battery backup time/current

### Building solutions to manage and monitor your UPS

- USB and RS 232 ports as standard.
- EPO as standard.
- Software suite.
- Shutdown software.
- Monitoring Software.
- ConnectUPS Web/SNMP card for connectivity slot (option).
- Relay/AS400 card (option).
- Environmental Monitoring Probe for ConnectUPS Web/SNMP adapters (option).
- Remote control panel, ViewUPS (option).

### Advanced features that give you business benefits

**Advance Battery Management**  
UPS systems traditionally have maintenance free lead-acid battery solution that is both critical and expensive for the user. The expected lifetime of batteries is shorter compared to the rest of the UPS. Therefore, one should pay attention to the right battery solution. Today virtually all competitive UPS products use traditional float charging technology. The unique Powerware ABM technology provides additional benefits by providing a three-stage charging technique that constantly monitors the battery charging status, and as a result only recharges when necessary, so ultimately the battery experiences less corrosion and battery service life is prolonged by up to 50%.

**Hot swappable batteries**  
All the Powerware 9120 models (700-6000VA) have been developed with hot-swappable batteries, therefore internal batteries can be changed without powering down the load.

**Extended runtimes**  
Each the Powerware 9120 model can be equipped with External

Battery Cabinets, this can extend the runtimes to hours.

**Load Segments on 700-3000VA models**  
Load Segments are groups of outlets that can be independently controlled. To preserve battery power for more critical equipment connected to the UPS it is possible to shut down one load segment that supports less critical load and thereby preserve battery capacity for the load segment where the most critical equipment is connected.

**Dual input on 5000-6000VA models**  
Powerware 9120 5000 and 6000VA models can be installed using a separate input cable for the internal bypass. This feature not only provides redundancy for the input, but it also enables system with two UPSs to increase power availability. The critical load is powered by the first UPS and in the case of a failure the load is transferred to the bypass-source which is supplied by another UPS. This configuration enables redundant operation with standard UPS units.

# Technical Specifications

## Powerware 9120

Rating	700VA	1000VA	1500VA	2000VA	3000VA	5000VA	6000VA
Part number	05147361-5501	05147362-5501	05147363-5501	05147364-5501	05147365-5501	1018289	1018290
Capacity (VA/Watts)	700/490	1000/700	1500/1050	2000/1400	3000/2100	5000/3500	6000/4200
Dimensions WxDxH (mm)	155x410x240	155x410x240	170x445x275	225x470x365	225x470x365	280x580x570	280x580x570
Weight (kg)	13	15	20	37	38	91	91
Input connection	IEC320/10A	IEC320/10A	IEC320/10A	IEC320/10A	IEC320/16A	Hardwired	Hardwired
Output connection	4xIEC320/10A	4xIEC320/10A	4xIEC320/10A	1xIEC320/16A 4xIEC320/10A	1xIEC320/15A 4xIEC320/10A	Hardwired	Hardwired
Typical runtime (full load)*	8 min	8 min	7 min	14 min	8 min	10 min	9 min

### Operational

Nominal input voltage (Vac)	220/230/240 Vac
Input power range	120/140/160-276 Vac (700-3000 VA) 120/140/184-276 Vac (5000-6000 VA)
Operating frequency	50/60 Hz auto sensing ( $\pm$ 3 Hz adjustable)
Input power factor	>0.97 (700-3000 VA) >0.99 (5000-6000 VA)
Nominal output voltage	208/220/230/240 Vac
Output voltage regulation	$\pm$ 2% online; $\pm$ 3% on battery mode
Overload capacity	Up to 125% for minute; 125-150% for 10 sec
Efficiency	>86% (700 VA); >88% 1000-3000 VA; > 90% 5000-6000 VA (Online model) >90% (700 VA); >93% 1000-3000 VA; > 95% 5000-6000 VA (High efficiency model)

### User interface

LCD display	LCD display showing both UPS meters and UPS settings
LED	Four LEDs, UPS on, UPS on battery, UPS on bypass, alarm
Standard communication ports	RS232 and USB as standard on all models
Optional	Connectivity slot for SNMP/Web card and relay card

### Environmental

Operating temperature	0°C - +40°C
Storage temperature	-15°C - +40°C
Altitude	<3000 m
Audible noise at 1 metre	<45 dB (700-1500 VA) <50 dB (2000-3000 VA) <55 dB (5000-6000 VA)

### Certification

Markings	CE/GS/UL (700-2000 VA) CE/GS (3000-6000 VA)
Safety	EN 50091-1-1 & UL 1778 (700-2000 VA) EN 50091-1-1 (3000-6000 VA)
EMC	EN 50091-1-2, EN 6100-3-2 (700-3000 VA) EN 50091-2 (5000-6000 VA)

\*Approximate figures. Battery backup is proportional to number of power cycle and few other factors. Hence the figures are approximate.

For more product information please contact us:



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