

## Powerware 9120 UPS series



The Powerware 9120 UPS provides maximum power quality and backup power protection in the 700 - 3000 VA range and is the ideal power management solution for networks, Web servers and telecommunications equipment. While offering basic surge protection and backup power, the Powerware 9120 UPS additionally offers the best UPS power protection against all nine common power quality problems.

### Powerware 9120 UPS Features and Benefits:

- Isolates connected equipment from all incoming power problems to provide the highest degree of protection
- Doubles battery service life and gives you advanced warning of the end of useful battery life
- Conditions incoming power without depleting the battery to preserve battery power for complete power outages
- Prolongs backup time with Extended Battery Modules (EBMs)
- Quickly collects information on UPS status, power usage, battery backup time, and other critical parameters with an intuitive LCD screen
- Extends backup time for select equipment with Load segments
- Minimizes downtime with hot-swappable batteries
- Protects equipment connected by network or phone wiring from "back door" power surges with a Network Transient Protector
- Ensures data integrity with free Software Suite bundle including LanSafe software, PowerVision software, and NetWatch
- Easily incorporates connectivity products with an option slot to integrate into various environments and applications
- Guarantees performance with the Triple Power Warranty
- Enhances warranty coverage with optional Gold Plan
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### Powerware 9120 UPS Technical Specifications:

<b>Electrical Input</b>	Nominal Voltage	120 Vac and 230 Vac;
	Input Voltage Range	120V: 80 -144 Vac 230V: 120/140/160-276 Vac
	Input Power Factor	>.95%
	Operating Frequency	50/60 Hz, Auto-sensing
	Frequency Range	45 - 65 Hz

	Input Protection	Fuse or circuit breaker
<b>Electrical Output</b>	On Utility Voltage Regulation	+/-2% of nominal
	On Battery Voltage Regulation	+/-3% of nominal
	Nominal Output Voltage	Same as selected input voltage
	Output Voltage Waveform	Sine Wave
	Output Voltage Distortion	<3% THD
	Output protection	Electronic overload sensing, and circuit breaker protection
	Efficiency	Online Mode:>86%; Hi-Efficiency Mode:>90%
<b>Battery</b>	Internal Battery type	Sealed, lead-acid; maintenance free
	EBM Battery Type	Sealed, lead-acid; maintenance free
	Battery Replacement	Hot-swappable internal and external batteries
	Recharge Time	<4 hours to 90% capacity
	Start-On-Battery	Allows start of UPS without utility input
<b>Communications</b>	User Interface	LCD status screen
	Audible Alarms	UPS alarm conditions, including: On-Battery, Low Battery, Overload, UPS Fault
	Network transient Protector	In and out jack for all models. UL497A tested
	REPO Port	Meets NEC code 645-11 intent and UL requirements
	Communications	One RS232 Serial Port; One Communications Slot; One USB Port
	Communications cable	6-foot communications cable included
<b>General</b>	Topology	True online, double-conversion
	Diagnostics	Full system self-test on power up
	UPS Bypass	Automatic on Overload or UPS failure <4ms
	Transfer Time to battery	0 ms
	Overload Capacity	125% for 10 minutes before transfer to bypass; 150% for 10 seconds before transfer to bypass
<b>Environmental and</b>	Safety Certifications	UL1778;cUL22.2 NO.107.

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**Safety**

EMI Compliance	FCC Part 15, Class B (700-1500), Class A (2000-3000) 230 V, EN 50091-2 Class B (700-1500), Class A (2000-3000)
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
Immunity	EEE C62.41, IEC 61000-4 -2, -3, -4, -5
Network Transient Protector	UL497A
Audible Noise at 1 meter	700-1000 VA: <45dB; 1500 VA <50dB; 2000-3000 <52dB
Altitude	3000m (10,000 ft) without deteriorating



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