

EATON

Powerware

Powerware 9390 Uninterruptible Power System

Product Focus

High efficiency 40 - 160 kVA UPS solutions



Product Snapshot

Technology: Series 9 (double conversion on-line)
Rating: 40-160 kVA at 0.9 p.f.
Voltage: 400 V 50/60 Hz

Features

- High efficiency - up to 94%
- Hot Sync® redundancy/ capacity up to 3 + 1 configuration
- Advanced Battery Management (ABM™), providing monitor and improved battery life time
- Active input Power Factor Correction (PFC) providing <5% THD(i) harmonics
- High output power factor for server and computer loads
- Extensive connectivity options
- User friendly LCD display with local language options

The Powerware® 9390 Uninterruptible Power System (UPS) is a double-conversion, Series 9 UPS that resolves all utility power problems and supplies clean, continuous, uninterruptible power to all critical equipment. Whether you're selecting a UPS for a branch office, a manufacturing floor, a medical facility, or a large data centre, there's a Powerware 9390 model that delivers just the right combination of performance for your needs - with the smallest footprint of any UPS in its class! The Powerware 9390 features active input power factor control (PFC) with IGBT rectifier technology, which enables low <5% THD(i) and a near unity input power factor, without compromising overall efficiency.

The Powerware 9390 operates at a high efficiency of up to 94%, which reduces utility costs and extends battery run times. Higher system efficiency produces cooler operating conditions, thus reducing facility air conditioning costs and extending the life of UPS components. This leads to increased reliability, availability, and performance.

The Powerware 9390 uses the unique Advanced Battery Management (ABM™) function: while traditional UPS's charge their batteries continuously, the ABM principle only charges the batteries when necessary, thus preventing battery corrosion. This exceptional ABM function significantly extends battery service life.

Powerware's patented Hot Sync® paralleling technology enables additional capacity or redundancy with Powerware 9390. Up to four equivalent UPS modules can be paralleled without the need for a system parallel cabinet.

Naturally, the Powerware 9390 UPS comes complete with Powerware's Software Suite of products, which provides monitoring, management, and optional shutdown capabilities over your network. Connectivity options are available to suit nearly any communication requirement, from standard serial communications to secure remote monitoring over the web.

Technical Specifications

General	Rating	40-160 kVA 0.9 p.f.
	Efficiency	94%
	Audible noise	<65 dB (A)
Input	Nominal voltage	400 V
	Frequency	45-65 Hz
	Power factor	0.99
Output	Selectable voltage	380/400/415 VAC
	Regulation	±1%
	Power factor	0.9 (e.g. 72 kW at 80 kVA)
Battery	Type	Maintenance free VRLA batteries
	Battery charging	Advanced Battery Management (ABM™)
	Battery voltage	480 V (40 blocks)
Accessories	XSslot connectivity (Web/SNMP, ModBus/JBus, Relay, Hot Sync), isolation transformer, parallel cabinets, 10 year battery cabinets and racks	
Markings	CE	

Standard UPS

Part number	Description	Rating	Dimensions (HxWxD)	Weight
1024993	Powerware 9390-40-N	40 kVA / 36 kW	1879x519x808 mm	257 kg
1024994	Powerware 9390-60-U	60 kVA / 54 kW	1879x519x808 mm	313 kg
1024995	Powerware 9390-80-N	80 kVA / 72 kW	1879x519x804 mm	313 kg
1024635	Powerware 9390-100-U	100 kVA / 90 kW	1879x944x804 mm	430 kg
1024636	Powerware 9390-120-N	120 kVA / 108 kW	1879x944x804 mm	430 kg
1023298	Powerware 9390-120-U	120 kVA / 108 kW	1879x944x804 mm	530 kg
1023299	Powerware 9390-160-N	160 kVA / 144 kW	1879x944x804 mm	530 kg

Standard external battery

Battery cabinets	Description	Rating	Dimensions (HxWxD)	Weight
1025570	9390-BAT10-S-40x38Ah	38 Ah	1877x575x773 mm	700 kg
1025572	9390-BAT10-S-200	53 Ah	1877x575x773 mm	1176 kg
1023244	9390-BAT10-40x55Ah	55 Ah	1879x1125x808 mm	1270 kg
1023245	9390-BAT10-40x67Ah	67 Ah	1879x1125x808 mm	1430 kg
1025467	9390-BAT10-280	83 Ah	1879x1125x808 mm	1444 kg
1025470	9390-BAT10-330	94 Ah	1879x1125x808 mm	1625 kg
1025468	9390-BAT10-500	130 Ah	1879x1125x808 mm	2188 kg
1023983	9390-BAT10-40x125Ah	125 Ah	1879x1125x808 mm	2350 kg

Battery racks

1023604	9390-RACK10-40x40Ah	40 Ah	1447x886x946 mm	777 kg
1023605	9390-RACK10-40x70Ah	70 Ah	1546x886x1546 mm	1222 kg
1023606	9390-RACK10-40x90Ah	90 Ah	1546x886x1546 mm	1700 kg
1023607	9390-RACK10-40x125Ah	125 Ah	1546x886x1546 mm	2150 kg

See runtime from the runtime specification.

Standard accessories

	Description	Installation	Dimensions (HxWxD)	Weight
1021887	External Bypass Switch 60-80kVA (wall-mount)	wall	840x380x130 mm	17 kg
1021888	External Bypass Switch 120 kVA (wall-mount)	wall	1040x560x130 mm	25 kg
1024626	External Bypass Switch 160 kVA (wall-mount)	wall	1040x560x130 mm	25 kg
1025476	SPM-60-2	wall	700x500x250 mm	50 kg
1023540	SPM-80-4	floor	1530x520x788 mm	230 kg
1024687	9390 Tie Cabinet 3x120 kVA	floor	1879x519x808 mm	217 kg
1024506	9390 Tie Cabinet 3x160 kVA	floor	1879x519x808 mm	217 kg

In the interests of continual product improvement all specifications are subject to change without notice.

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