



Powerware 9330-20

To Receive Detailed Quotation Call: 800-306-1125

| | |
|---------------------------------|----------------------------------|
| Condition | Pre-Owned |
| Model | 9330-20 |
| Part Number | |
| Phase | 3 Phase |
| KVA | 20 |
| Input Voltage | 208 |
| Output Voltage | 120/208 |
| Frequency (Hz) | 60 |
| Dimensions H x W x D | Inches 45" x 22" x 31" |
| Weight | 903 lbs |
| Warranty | 90 Days |
| Runtime Batteries | Not Included |
| Price | \$ 8,000.00 |



Line & Match
Maintenance Bypass Available
1,200.00

Data Sheet: <http://unitedpb.com/documents/powerware/9330.pdf>

Hardware Description:

9330-20 - No batteries.
New batteries can be installed if requested.
Optional Line & Match external maintenance bypass available.

Designed specifically to meet the high-availability needs of critical 24 x 7 applications, the Powerware 9330 delivers enhanced systems reliability and the highest efficiency ratings of any online UPS in the 10-40kVA range.

Hardware Description 9330-20

- Double Conversion On-line Technology
- Liquid Crystal Display (LCD) panel meets global requirements
- Redundant fans provide continuous operation without de-rating if a fan fails
- Casters provide easy placement of unit
- Internal Maintenance bypass switch

BUY

SELL

LEASE

RENT

TRADE

Powerware® 9330 Model 20 and Model 40

Benefits

- ▶ **Maximum Availability** – with true double conversion online design, the proven technology that is used for the most mission-critical applications in the world. It's unusual to find line-interactive, pseudo-online or any other kind of UPS, other than double conversion online, supporting 24/365 data centers, facilities, ISPs and major telecommunications installations.
- ▶ **Maximum Reliability** – with Powerware Hot Sync®, the award-winning, patented technology that achieves paralleling for redundancy and capacity (up to four modules) with no system-level single-point-of-failure. The preferred paralleling technology installed around the world with such major customers as E*Trade, Colo.com, and Citibank, Powerware Hot Sync will be available in the 10-40 kVA range with the Powerware 9330*.
- ▶ **Maximum Efficiency** – the Powerware 9330's advanced design features efficiency of up to 96%, at rated kVA and power factor, higher than any double conversion online UPS on the market today. Efficiency further increases to 97% with the debut of Powerware's Energy Optimizer*. No need to compromise reliability for efficiency with the Powerware 9330.
- ▶ **Maximum Performance** – the Powerware 9330 delivers the highest performance by using digital signal processing, true pulse-width-modulation and maximum IGBT responsiveness. This provides easy setup, drift-free operation and a pristine output.
- ▶ **Global Services** – Powerware service professionals provide round-the-clock monitoring, remote diagnostics, and on-site maintenance programs. More than just a material warranty, this is the most comprehensive service coverage available in the industry. Powerware Global Service provides you with peace of mind that potential downtime is prevented by proactive service and monitoring.

*Available mid-2001



Designed specifically to meet the high-availability needs of critical 24x7 applications for small to medium-size businesses, the Powerware 9330 delivers enhanced systems reliability and the highest efficiency ratings of any online UPS in the 10 – 40 kVA range. The 9330 also contains high-end features and benefits that only existed in larger capacity UPS, until now.

IT managers must implement the most efficient solutions possible, without compromising the business need for availability. Through its well-thought-out design, the Powerware 9330 helps IT managers meet both the high availability and operational efficiency requirements they face by eliminating a primary cause of downtime: power problems. The advanced features of the Powerware 9330 include:

Digital Signal Processing and Pulse-Width Modulation

True pulse-width modulation is achieved through the use of digital signal processing, which enables the IGBTs to work at their highest capacity, increasing system reliability and ensuring perfect power on the output.

Product Snapshot

Power Rating: 10, 15, 20, 25, 35 and 40kVA
Voltage: 208/208, 480/208, 480/480, 600/208 VAC
Frequency: 50/60Hz

Built-in Control Area Network (CAN)

An integral internal and external Control Area Network (CAN) is incorporated into the Powerware 9330 that assists in seamlessly integrating peripherals and options, controllable from the control panel. It also reduces the internal wiring connections required therefore increasing overall system reliability.

Superior Cooling Design

The superior cooling design of the Powerware 9330 draws from Powerware's extensive, almost 40 years of industry and product development experience. This design, which features redundant fans, ensures that more thermally sensitive areas are cooled first.

Comprehensive Communications & User Interface

A large display, mimic and control panel is ergonomically situated for operator interface with the unit. The soft keypad helps guide the operator through all menus and setups. A dedicated micro-processor had been designed and engineered to provide full-featured monitoring and extensive alarm history. It allows for additional communication options, like Internet accessibility, Ethernet, network links, and modems.

Internal Battery

The Powerware 9330 comes with internal batteries that provide up to 12 minutes of backup at full load. The batteries are easily accessible and maintained through front access slide-out trays. The Advanced Battery Management™ (ABM) feature significantly enhances battery life.

Powerware® 9330 Model Selection Guide

| Powerware 9330-20 Performance Characteristics | | Model 10 10kVA/7kW | | | | Model 15 15kVA/10.5kW | | | | Model 20 20kVA/14kW | | | |
|---|-------|-----------------------|-----|-----|-----|--------------------------|-----|-----|-----|------------------------|-----|-----|-----|
| Input Voltage | Volts | 208 | 480 | 480 | 600 | 208 | 480 | 480 | 600 | 208 | 480 | 480 | 600 |
| Output Voltage | Volts | 208 | 208 | 480 | 208 | 208 | 208 | 480 | 208 | 208 | 208 | 480 | 208 |
| Input/output Frequency | Hz | 50/60 | 60 | 60 | 60 | 50/60 | 60 | 60 | 60 | 50/60 | 60 | 60 | 60 |
| Input Voltage Range | | | | | | | | | | | | | |
| Minimum | Volts | 177 | 408 | 408 | 510 | 177 | 408 | 408 | 510 | 177 | 408 | 408 | 510 |
| Maximum | Volts | 228 | 528 | 528 | 660 | 228 | 528 | 528 | 660 | 228 | 528 | 528 | 660 |
| AC Input | | | | | | | | | | | | | |
| Nominal | Amps | 22 | 10 | 10 | 8 | 32 | 14 | 15 | 11 | 43 | 19 | 20 | 15 |
| Maximum | Amps | 29 | 13 | 13 | 10 | 40 | 18 | 18 | 15 | 51 | 23 | 23 | 19 |
| Bypass Input | | | | | | | | | | | | | |
| Nominal Amps | Amps | 28 | 12 | 12 | 10 | 42 | 18 | 18 | 14 | 56 | 24 | 24 | 19 |
| AC Output | | | | | | | | | | | | | |
| Nominal Amps | Amps | 28 | 28 | 12 | 28 | 42 | 42 | 18 | 42 | 56 | 56 | 24 | 56 |
| 10 Minutes | Amps | 35 | 35 | 15 | 35 | 52 | 52 | 23 | 52 | 69 | 69 | 30 | 69 |
| Battery | | | | | | | | | | | | | |
| Nominal Voltage | Volts | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 |
| Float Voltage @ 25°C | Volts | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 |
| Charge Current | Amps | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Nominal Discharge Current | Amps | 26 | 26 | 26 | 26 | 39 | 39 | 39 | 39 | 52 | 52 | 52 | 52 |
| Total Cell Count | | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 |
| System Efficiency ① | | | | | | | | | | | | | |
| @ 100% Load | % | 91% | 88% | 86% | 86% | 92% | 89% | 87% | 87% | 92% | 90% | 88% | 90% |
| @ 75% Load | % | 90% | 87% | 85% | 85% | 92% | 89% | 86% | 86% | 92% | 90% | 88% | 90% |
| @ 50% Load | % | 88% | 85% | 83% | 83% | 91% | 88% | 85% | 85% | 92% | 90% | 88% | 90% |
| .7pf @ 100% load | % | 96% | 93% | 91% | 93% | 96% | 94% | 92% | 94% | 96% | 94% | 92% | 94% |
| Max. Heat Dissipation | | | | | | | | | | | | | |
| BTU/Hr. (x1000) | | 3.3 | 4.2 | 4.8 | 4.8 | 4.1 | 5.4 | 6.3 | 6.3 | 5.1 | 6.3 | 7.5 | 6.3 |
| kcal/Hr. (x1000) | | 0.8 | 1.1 | 1.2 | 1.2 | 1.0 | 1.4 | 1.6 | 1.6 | 1.3 | 1.6 | 1.9 | 1.6 |
| Inverter Efficiency (Full Load) | % | 93% | 93% | 90% | 93% | 94% | 94% | 92% | 94% | 94% | 94% | 92% | 94% |
| Physical Attributes (max.) | | | | | | | | | | | | | |
| Width (inches) | | 22 | 39 | 39 | 39 | 22 | 39 | 39 | 39 | 22 | 39 | 39 | 39 |
| Height (inches) | | | | | | | | | | | | | |
| ① Depth (inches) | | | | | | | | | | | | | |

Efficiency shown takes into account the output and input transformer for input or output voltages other than 208V.

| Powerware 9330 - 40 Performance Characteristics | | Model 25 25kVA/17.5kW | | | | Model 30 30kVA/21kW | | | | Model 35 35kVA/24.5kW | | | | Model 40 40kVA/28kW | | | |
|---|-------|--------------------------|-----|-----|-----|------------------------|-----|-----|-----|--------------------------|-----|------|-----|------------------------|-----|------|-----|
| Input Voltage | Volts | 208 | 480 | 480 | 600 | 208 | 480 | 480 | 600 | 208 | 480 | 480 | 600 | 208 | 480 | 480 | 600 |
| Output Voltage | Volts | 208 | 208 | 480 | 208 | 208 | 208 | 480 | 208 | 208 | 208 | 480 | 208 | 208 | 208 | 480 | 208 |
| Input/Output Frequency | Hz | 50/60 | 60 | 60 | 60 | 50/60 | 60 | 60 | 60 | 50/60 | 60 | 60 | 60 | 50/60 | 60 | 60 | 60 |
| Input Voltage Range | | | | | | | | | | | | | | | | | |
| Minimum | Volts | 177 | 408 | 408 | 510 | 177 | 408 | 408 | 510 | 177 | 408 | 408 | 510 | 177 | 408 | 408 | 510 |
| Maximum | Volts | 229 | 528 | 528 | 660 | 229 | 528 | 528 | 660 | 229 | 528 | 528 | 660 | 229 | 528 | 528 | 660 |
| AC Input | | | | | | | | | | | | | | | | | |
| Nominal | Amps | 55 | 24 | 24 | 19 | 66 | 29 | 29 | 23 | 77 | 34 | 34 | 27 | 82 | 38 | 38 | 30 |
| Maximum | Amps | 70 | 30 | 30 | 24 | 83 | 36 | 36 | 29 | 97 | 42 | 42 | 34 | 100 | 48 | 48 | 38 |
| Bypass Input | | | | | | | | | | | | | | | | | |
| Nominal Amps | Amps | 69 | 30 | 30 | 24 | 83 | 36 | 36 | 29 | 97 | 42 | 42 | 34 | 111 | 48 | 48 | 38 |
| AC Output | | | | | | | | | | | | | | | | | |
| Nominal Amps | Amps | 69 | 69 | 30 | 69 | 83 | 83 | 36 | 84 | 97 | 97 | 42 | 96 | 111 | 111 | 48 | 112 |
| 10 Minute Amps | Amps | 86 | 86 | 38 | 86 | 104 | 104 | 45 | 105 | 121 | 121 | 53 | 120 | 139 | 139 | 60 | 140 |
| Battery | | | | | | | | | | | | | | | | | |
| Nominal Voltage | Volts | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 |
| Float Voltage @ 25o C. | Volts | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 |
| Nominal Discharge Current | Amps | 64 | 64 | 64 | 64 | 78 | 78 | 78 | 78 | 91 | 91 | 91 | 91 | 100 | 100 | 100 | 100 |
| System Efficiency ① | | | | | | | | | | | | | | | | | |
| @ 100% load | % | 92% | 90% | 88% | 90% | 92% | 90% | 88% | 90% | 92% | 90% | 88% | 90% | 93% | 91% | 89% | 91% |
| @ 75% load | % | 91% | 89% | 87% | 89% | 92% | 90% | 88% | 90% | 92% | 90% | 88% | 90% | 92% | 90% | 88% | 90% |
| @ 50% load | % | 89% | 87% | 85% | 87% | 91% | 89% | 87% | 89% | 91% | 89% | 87% | 89% | 92% | 90% | 88% | 90% |
| .7pf @ 100% load | % | 97 | 93 | 91 | 93 | 96 | 94 | 92 | 94 | 96 | 94 | 92 | 94 | 96 | 94 | 92 | 94 |
| Maximum Heat Dissipation | | | | | | | | | | | | | | | | | |
| BTU/Hr. (x1000) | | 4.8 | 6.0 | 7.2 | 6.0 | 5.7 | 7.2 | 8.6 | 7.2 | 6.7 | 8.4 | 10.0 | 8.4 | 6.7 | 8.6 | 10.5 | 8.6 |
| kcal/Hr. (x1000) | | 1.2 | 1.5 | 1.8 | 1.5 | 1.4 | 1.8 | 2.2 | 1.8 | 1.7 | 2.1 | 2.5 | 2.1 | 1.7 | 2.2 | 2.6 | 2.2 |
| Inverter Efficiency (Full Load) | % | 93% | 93% | 91% | 93% | 93% | 93% | 91% | 93% | 93% | 93% | 91% | 93% | 94% | 94% | 92% | 94% |
| Physical Attributes (max.) | | | | | | | | | | | | | | | | | |
| Width (inches) | | 39 | 61 | 61 | 61 | 39 | 61 | 61 | 61 | 39 | 61 | 61 | 61 | 39 | 61 | 61 | 61 |
| Height (inches) | | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| ① Depth (inches) | | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |

Efficiency shown takes into account the output and input transformer for input or output voltages other than 208V.