IBM UPS3000X Uninterruptible Power Supply Solutions

The IBM UPS3000X converts easily between rack and tower configurations.

More power and performance, smaller package and price

Increase the availability and reliability of your business-critical data with the new IBM UPS3000X uninterruptible power supply (UPS). Designed by IBM to meet customer requirements for high-density and cost-effective power management, UPS3000X products deliver more features and better performance at a lower price per watt than previous UPS models offered by IBM. Plus, the UPS3000X packs all this into a space-efficient 2U form factor that converts easily from rack to tower configurations.

The first IBM @server xSeries™ UPS to carry the IBM brand, the IBM UPS3000X family provides the benefits of IBM's renowned service and worldwide support, plus an industry-leading set of innovations and features that are available exclusively from IBM.

Highlights

- *Hot-swappable electronics and batteries help maximize uptime and availability*

- *Support for the IBM UPS Extend Run External Battery Pack—add more than 90 minutes of battery operations*

- *Space-saving 2U form factor for rack mounting or tower*

- *Choice of serial, USB or LAN connectivity for management*

- *Protection for up to 13/14 (LV/HV) devices with the addition of one NetBAY™ Power Distribution Unit (PDU)*

- *Industry-leading efficiency — support for 3000VA and 2850W translates into .95 power factor*

Get it **now**

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to buy direct or to locate an IBM reseller.

Designed for high availability

This innovative UPS solution incorporates design advances that boost uptime and simplify management. Electronics as well as battery packs are now hot-swappable, allowing fast, safe and easy replacement of components.

In the rare event that the electronics of a UPS should fail, there is no need to unplug the servers or take them offline to replace the UPS. Simply pull and replace the electronics pack. Devices stay plugged in, and power sourcing automatically switches to line current and back again—keeping systems up and running. This feature is commonly reserved for high-end, higher priced UPS products.

Plus the IBM UPS3000X helps protect your data and IT systems with full-time surge suppression, automatic voltage regulation and noise filtering.

Optional battery packs increase uptime

The 3000XLV allows the attachment of up to four UPS Extend Run Battery Packs, which means you can now have more than 90 minutes of additional run time during a power crisis. The Extend Run Battery Packs are 2U in height and hot-swappable, allowing for the easy addition of run time to any configuration of 3000X UPSs, rack or tower.

Rich power-management solutions

Power management is critical in today's environment. The IBM UPS3000X comes complete with a suite of easy-to-use software that allows management of the UPS either locally, with the standard serial or USB connectors, or remotely using the built-in 10/100 Network Management Module.

Using the browser-based management functions, you can cycle power to attached servers, configure systems for graceful shutdown, monitor power and UPS status or view power quality records. You can also integrate power management with IBM Director and control your rack environment from a single console.

You can fine-tune power management and increase battery life even further by selectively powering off nonessential systems. The UPS3000X segments outlets into three groupings that you can program or control remotely, allowing you to determine precisely which systems run on battery power during an outage. With this feature, the UPS can selectively switch off banks of outlets powering non-essential systems or non-intelligent devices to increase run times for essential applications.

Flexible design for rack or tower use

The UPS3000X is a 2U rack-ready UPS product that supports preconfigured shipment in an IBM NetBAY rack. It is also designed for flexibility, allowing you to use the UPS unit and its external battery packs in a tower configuration for stand-alone installations. Every UPS3000X and Extend Run Battery Pack option is delivered with the components necessary to complete this rack-to-tower conversion.

Low- and high-voltage models

The IBM UPS3000X is available in both low-voltage and high-voltage versions. The 110-127V UPS3000XLV supports up to six devices and provides selectable nominal output at 100, 110, 120 and 127V. The 200-240V UPS3000XHV supports up to seven devices and provides selectable nominal output at 200, 208, 220, 230 and 240V. As an added benefit, both units support the addition of more outlets with the addition of a NetBAY Power Distribution Unit (PDU).

A powerful partnership

UPS3000X products are designed by IBM and manufactured to our demanding specifications by American Power Conversion (APC), a worldwide leader in power management and our longtime power management provider. This means you get IBM service, support, warranty[1] protection and years of experience along with APC's knowledge of UPS manufacturing and management software.

IBM UPS3000X at a glance

Model	UPS3000XLV	UPS3000XHV
Part number	2130R30 (32P1681)	2130R31 (32P1691)
Form Factor	2U rack-mountable, with tower conversion kit included; ship-loaded approved	
Rated output	• 100V 2400VA 2400Watts; 110V 2650VA 2650Watts • 120V 2850VA 2850Watts; 127V 3000VA 2850Watts	• 200V- 240V 3000VA 2850Watts
Input inlet/Current	• 9ft fixed line cord • NEMA L5-30P (24amp)	• IEC 320-C20 (16amp) input • 2130R31(32P1691) w/ NEMA L6-20P • 73P5771 w/ Australia/NZ line cord • 73P5772 w/ China line cord • 73P5774 w/ India line cord • 73P5773 w/ Brazil line cord • 73P5775 w/ Argentina line cord • 32P1684 w/ Euro line cord • 32P1686 w/ Italy line cord • 32P1687 w/ Swiss line cord • 32P1689 w/ South Africa line cord • 32P1690 w/ Israel line cord
Input frequency	47/63Hz (auto adjusting)	47/63Hz (auto adjusting)
Efficiency	• On line: 96%; On battery: 96%	• On line: 97%; On battery: 90%
Connections for management	USB, serial, and 10/100 Network Module	
Outlets	• 6 IEC 320-C13 • 1 NEMA L5-20R (PDU support)	• 7 IEC 320-C13 • 1 IEC 320-C20 (PDU support)
Outlet groupings	3 segments: 2 sets of outlets (LV: 3+3, HV: 3+4) plus the PDU outlet	
Software included	PowerChute Business Edition for IBM, PowerChute Network Shutdown for IBM	
Software support	Microsoft® Windows NT® 4.0, Windows® 2000, Windows XP, Novell NetWare 6.0, Red Hat Linux® 7.3	
Battery backup times	• 1 hot-swappable internal battery provides more than four minutes of run time at a load of 2700W • Supports up to four Extend Run Battery Packs for approximately 90 additional minutes of run time	
Weight	46.7kg (103 lbs)	46.7kg (103 lbs)
Dimensions (HxWxD)	88.9x430x685mm (3.5x16.9x26.9in)	88.9x430x685mm (3.5x16.9x26.9in)
Color	Black	Black
Warranty[1]	3-year limited onsite warranty	
General features	Emergency power off, hot-swap electronics, optional UPS Extend Run external battery packs, hot-swap batteries, controllable outlet groups, integrated network management, Cell Guard intelligent battery management, overload indicator, rack mount, replace-battery indicator, resettable circuit breaker, site wiring fault indicator (LV only), automatic voltage regulation (AVR), status indicator LEDs	
Environmental	Temp: 0-40C (32-104F) Relative humidity: 0-95% Altitude (max): 3000m (10,000ft)	Temp: 0-40C (32-104F) Relative humidity: 0-95% Altitude (max): 3000m (10,000ft)
Configuration aid	IBM @server xSeries Rack Configurator at **ibm.com**/pc/us/eserver/xseries/library/configtools.html	
Approvals	FCC, UL 1778, CSA C22.2 Number 950, NOM, CE-Mark (EN55022 Class A), C-Tick Mark (AS/NZS 3548 Class A), VDE EN50091-1-1 and 60950	
Ship group components	Rail set with rear brace, accessory kit, rack to tower conversion parts, UPS serial cable, UPS cable, EPO cable, four rack jumper cords, one 2.5m C19-C20 PDU cable (HV only), documentation and software CDs.	

Extend Run Battery Pack options at a glance

Part number	32P1692
Form Factor	2U rack-mountable, with tower conversion kit included; ship-loaded approved
Battery information and run times	• 2 hot-swappable battery units per Extend Battery Pack • Each Battery Pack supports run times of approximately 20 minutes at full load, 40 minutes at half load
Weight	59.0kg (130 lbs)
Dimensions (HxWxD)	88.9x430x685mm (3.5x16.9x26.9in)

Run times for UPS3000X internal battery and Extend Battery Pack options[2]

Power	Internal	Int + 1 Ext	Int + 2 Ext	Int + 3 Ext	Int + 4 Ext
90W	4.4 hr.	19.1 hr.	33.6 hr.	47.6 hr.	61.6 hr.
190W	2.2 hr.	9.4 hr.	16.9 hr.	22.5 hr.	29.2 hr.
290W	1.3 hr.	4.8 hr.	10.8 hr.	16.0 hr.	18.9 hr.
380W	54.8 min.	3.1 hr.	7.9 hr.	12.1 hr.	15.9 hr.
570W	37.2 min.	2.5 hr.	4.0 hr.	7.2 hr.	9.8 hr.
760W	25.6 min.	2.0 hr.	2.8 hr.	4.4 hr.	6.9 hr.
950W	18.1 min.	1.5 hr.	2.5 hr.	3.0 hr.	4.6 hr.
1140W	13.9 min.	1.0 hr.	2.2 hr.	2.8 hr.	3.4 hr.
1330W	11.7 min.	54.8 min.	2.0 hr.	2.6 hr.	2.9 hr.
1520W	9.2 min.	49.8 min.	1.7 hr.	2.4 hr.	2.7 hr.
1710W	7.2 min.	44.8 min.	1.4 hr.	2.1 hr.	2.6 hr.
1900W	6.6 min.	39.7 min.	1.1 hr.	1.9 hr.	2.4 hr.
2090W	5.9 min.	34.7 min.	1.0 hr.	1.7 hr.	2.2 hr.
2280W	5.3 min.	29.9 min.	54.8 min.	1.5 hr.	2.1 hr.
2470W	4.7 min.	27.7 min.	51.9 min.	1.3 hr.	1.9 hr.
2700W	4.0 min.	25.1 min.	48.3 min.	1.1 hr.	1.7 hr.
2850W	3.6 min.	23.4 min.	46.0 min.	1.0 hr.	1.6 hr.

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