



keep your systems up and your options open

An enhanced, seven-language front panel LCD display allows you to configure the R12000 XR for redundancy according to your needs, from 3KVA to 12KVA.



When it comes to UPSs, your needs are as unique and dynamic as your business. We understand. That's why we developed UPS R12000 XR: the industry's most power dense, parallel redundant, unity rated rack UPS. Specially designed to meet the high-availability demands of businesses today, the on-line rack UPS R12000 XR features a modular architecture where each module runs in parallel. As a result, you configure the R12000 XR for redundancy based on your needs, so you can adapt to growing power requirements while keeping your systems powered and protected. UPS R12000 XR leverages a unique patented "wireless paralleling" technology, which enables paralleling for redundancy without inter-module communication wiring. This state-of-the-art technology eliminates system-level single points of failure. You receive the highest levels of fault tolerance and system reliability, not to mention peace of mind.

"N+x" parallel redundant architecture "ups" uptime

The robust UPS R12000 XR can significantly boost uptime. Its modular

architecture consists of four 3KVA modules, each composed of battery and electronics modules. The combination of "N+x" parallel redundant modules ("x" being the number of reserve modules should a module fail) helps the R12000 XR meet rigorous redundancy and fault tolerant requirements—and permit unprecedented power density. Have the flexibility to use the UPS R12000 XR as a 12KVA UPS, a 9KVA UPS in N+1 redundant mode, a 6KVA UPS in N+2 redundant mode, or a 3KVA UPS in N+3 redundant mode.

"wireless paralleling" for unparalleled fault tolerance

Unlike traditional paralleling techniques, the patented wireless paralleling technology of the R12000 XR uses a unique mathematical firmware approach to paralleling for redundancy. All necessary information for paralleling is available using only the modules' output power wave form. With no communication wiring and added circuitry between the modules, we eliminate system level single points of failure. Therefore, the 100% mathematical firmware is more reliable –

after all, math doesn't break. This robust technology allows all modules to function autonomously. If one of the modules fails, the remaining modules seamlessly redistribute the new load requirements through an automatic load sharing process with transparent transfer time.

The high-speed Digital Signal Processing (DSP) design replaces inter-module communication and thus complex communication wiring and circuitry. This improves power protection for critical loads while reducing size and weight.

industry-leading rack power density and efficiency

The superior power density of the R12000 XR — 12KW in 10U—saves valuable rack real estate without compromising performance. UPS R12000 XR is unity-rated at 12000VA/12000 Watts. Unity-rated UPSs feature better power flow, thermal management, and overall system efficiency than non-unity rated UPSs. In addition, the R12000 XR employs online technology, ensuring reliable, conditioned power feeding to connected equipment.



Both battery and electronics modules are hot-swappable, so you can quickly, safely install new batteries and power modules without shutting down the load. And built-in automatic bypass feature ensures continuous power to your connected equipment even while the modules are being replaced.

enhanced battery management

To help lower your cost of ownership while achieving outstanding protection, UPS R12000 XR incorporates superior batteries with increased battery service life, and Enhanced Battery Management (EBM). This exclusive technology doubles battery service life, optimizes battery recharge time, and provides advanced notice of pending battery failure.

add extended runtime modules as you need them

The R12000 XR supports up to two 4U Extended Runtime Modules (ERMs) to further extend your battery back-up time in case of sudden, brief power outages.

hp power protection advantage

Our diverse, industry-leading Power Protection Products protect and manage a wide range of server and computer equipment. Tower UPSs range from 500-2200 VA, and rack UPSs from 1500-12000VA. Each UPS is bundled with power management software.

adaptive infrastructure

HP can meet your most critical business needs with adaptive infrastructure built on a ProLiant server foundation. Whether you manage a small business or run a global enterprise, adaptive infrastructure enabled by value-added software, embedded technologies, and unifying

industry standards will benefit your business operations and your bottom line. Adaptive infrastructure combined with HP solution integration and services expertise delivers the ProLiant Advantage, helping your business:

- Adapt to change with ease and agility
- Conserve time, energy, and resources
- Respond to customer needs and grow your business

Protect your equipment and your options. Learn more about the powerful, flexible, ultra-reliable R12000 XR at www.compaq.com/products/servers/proliantstorage/power-protection/rackups/r12000xr/index.html

model name	part number	U-size	power out	input connection	output connection	unit dimensions/weight
UPS R12000 XR	207552-B22	10U	12000VA/ 12000Watts	Hardwired	Hardwired	17.5x17.5x28.6 in/ 44.5x44.5x72.6 cm; 420 lb/190 kg shipping weight 520 lb
options supporting UPS R12000 XR						
ERM, R12000 XR	217800-B21	4U			Hardwired	26.5x7x18.8 in/ 67.3x17.8x47.7 cm; 186 lb/84 kg
PDU, 40A, 9 outlets	207590-B23	1U/0U		Hardwired	6) IEC320-C13 & (3) IEC320-C19 outlets	17x1.65x8 in/ 431.8x41.9x203.2 mm; 7 lb/3.2 kg
mPDU, 40A, 28 outlets	252663-B21	1U/0U		Hardwired	(24) IEC 320 C-13 & (4) IEC 320 C-19 outlets	17.5x1.62x5.6 in/ 444.5x41.2x142.2 mm; 18 lb/8.16 kg
estimated backup times chart (minutes)						
Load (Percent*)	With Standard Battery	With 1 ERM	With 2 ERMs			
20	43	69	101			
50	14	28	41			
80	7	15	24			
100	5	11	18			
* Percent of 12000VA or 12000W of load						
site planning tool						
Customers are strongly advised to refer to the UPS R12000 XR Site Planning Tool (available on www.hp.com/products/ups), to make sure that their site is prepared for the installation of the R12000 XR.						
services and support						
Optional Installation and Start-up Service for the UPS R12000 XR is also available. For more information on this service, please refer to the product quickspecs.						

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