HPE Modular Common Redundant Power Supplies

HPE 1300W M-CRPS -48VDC Hot Plug Power Supply Kit (P82412-B21)



What's new

- Qualified on select Gen12 servers. Comply with OCP specifications, featuring new form factors and enhanced serviceability and manageability.
- Form factor: Wide (73.5 mm)
- 277V AC and 380V DC input voltages

Overview

How do you fuel your most power-hungry servers while boosting data center efficiency?
HPE Modular Common Redundant Power Supplies are newly designed to comply with Open Compute Project (OCP) specifications, featuring new form factors and enhanced serviceability and manageability. They are Platinum-rated and Titanium-rated, delivering up to 96% efficiency[1] at 3200W, they allow users to right-size the power supplies for their exact server configurations.
HPE Modular Common Redundant Power Supplies are compatible with HPE ProLiant Compute DL320 Gen12, HPE ProLiant Compute DL325 Gen12, HPE ProLiant Compute DL340 Gen12, HPE ProLiant Compute DL345 Gen12, HPE ProLiant Compute DL380a Gen12, HPE ProLiant Compute DL580 Gen12, HPE Alletra Storage servers 4000, and HPE ProLiant Compute XD230 servers.

Features

Maximum Power, Ultimate Efficiency

HPE Modular Common Redundant Power Supplies offer output range 3200W, allowing customers to right size the power supply for their exact server configurations.

HPE Modular Common Redundant Power Supplies provide up to 94% power efficiency with Platinum-certified options and 96% power efficiency with 80 PLUS Titanium-certified options to address high-performance demands of artificial intelligence (AI) and machine learning (ML) applications.

96% of efficient[1] power supplies comply with the European Union (EU) Commission regulation 2019/424 (EU Lot 9) efficiency requirements.

M-CRPS offer multiple power output options and AC power supplies are capable of low-line (100V to 127V) and high-line (200V to 240V) inputs.

Two Major Form Factors: 73.5 mm and 60 mm (width)

Deploy Worldwide, Manage Globally

–48V DC

At server status reporting through illuminated handle, remote management using HPE iLO, RESTful API, and more.

Open Compute Project (OCP) compliance means no user retraining is required to install, replace, or manage.

Fast, toolless hot-plug access simplifies and enhances serviceability.

The power supplies support ProLiant Gen12 servers, simplifying your spares strategy and further reducing data center costs.

Power That You Can Trust

Well-known brand with an established reputation for delivering servers for more than three decades and providing customers with reliable, high-quality power supplies.

Multiple operating modes that allow more effective power efficiency while helping ensure reliable power delivery to servers with redundant power supplies.

Security measures that protect system integrity and enable firmware updates with confidence.

Reliability and durability, incorporating components that can withstand heat and load, and extend lifespan.

Built-in protection features include overvoltage, under voltage, overcurrent, overtemperature, and short circuit.

Technical specifications	HPE 1300W M-CRPS -48VDC Hot Plug Power Supply Kit
Product Number	P82412-B21
Shipping weight	1.1 kg
Shipping dimensions	6 x 18.5 x 4 cm
Input voltage	From -40V to -72V DC
Efficiency	Platinum rated, 94% efficient
Power output	1300W
Warranty	HPE power supplies are covered at the same service level and for the same coverage period as the server.

[1] Efficiency ratings based on testing performed by Ecova per the requirements of the 80 PLUS program. For more information, visit: www.80 plus.com

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Advisory & Professional services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Support services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

— **HPE Complete Care Service:** a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.

— **HPE Tech Care Service:** the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

— **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

GreenLake

GreenLake is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

— Streamline IT Operations across compute, storage, and networking without the chaos

— Unify and secure data, as you move faster

— Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

For additional technical information, available models and options, please reference the QuickSpecs

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Image may differ from the actual product.

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