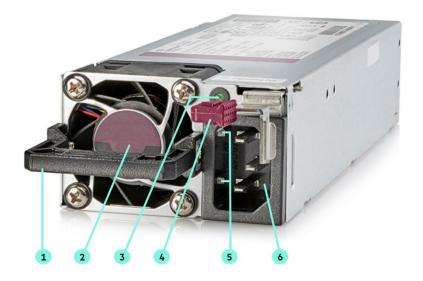
### **Overview**

## **HPE Flexible Slot Power Supplies**

HPE Flexible Slot (Flex Slot) Power Supplies share a common electrical and physical design that allows for hot plug, tool-less installation into HPE server solutions. HPE's Flex Slot power supplies are certified for high-efficiency operation and offer multiple power output options, allowing users to "right-size" a power supply for specific server configurations. This flexibility helps to reduce power waste, lower overall energy costs, and avoid "trapped" power capacity in the data center.

Flex Slot power supplies are rated for Platinum-level certification with efficiency of up to 94%, and Titanium-level certification with efficiency of up to 96%. Support for HPE Power Discovery Services, via embedded power line communication technology on the Gen9 ProLiant Servers, is also available with the 1400W Platinum Plus model. This feature enables each server to communicate identification, location, and power-related data to optional Intelligent Power Distribution Units in the rack.



## **HPE Flexible Slot Power Supplies**

- 1. Power Supply Handle
- 2. Identification Label
- 3. Power Supply LED Status Indicator

- 4. Release Lever
- Power Discovery Services Communication
   Ports (Gen9 1400W Platinum Plus model only)
- 6. C14 Input Connector

#### What's New

- European Union Erp Lot 9 Regulation timelines
- HPE 1800W-2200W Flex Slot Titanium Hot Plug Power Supply Kit
- HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit

#### **Overview**

#### **Models**

## **HPE Power Supplies**

#### **Gen9 Flexible Slot Power Supplies**

#### **Notes:**

 Mixing different power supplies in the same server may limit or disable some power supply features including support for power redundancy. To ensure access to all available features, all power supplies within the same server should have the same output and efficiency ratings.

#### **Gen10 Flexible Slot Power Supplies**

#### **Notes:**

- Mixing different power supplies in the same server may limit or disable some power supply features including support for power redundancy. To ensure access to all available features, all power supplies within the same server should have the same output and efficiency ratings.
- Low Halogen Power Supplies are not compatible with HPE Gen9 Servers.

#### **HPE Flexible Slot Platinum Power Supply Kits**

#### **Notes:**

- Flex Slot Platinum power supplies support power efficiency of up to 94% and include a standard C-14 power inlet connector
- Not compliant with EU Lot 9 2024 minimum efficiency requirements.

| <b>Notes:</b> Only compatible with Gen11, Gen10 Plus Intel and Gen10 Plus v2 AMD servers. |            |
|---|------------|
| HPE 800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit                         | P38995-B21 |
| HPE 800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit                         | 865414-B21 |
| HPE 500W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit                         | 865408-B21 |

HPE 1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit

830272-B21

**Notes:** Must be used with high-line input (200V – 240V AC).

HPE 1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit

P38997-B21

#### **Notes:**

- Must be used with high-line input (200V 240V AC).
- Only compatible with Gen11, Gen10 Plus Intel and Gen10 Plus v2 AMD servers.

HPE 1800W-2200W Flex Slot Platinum Hot Plug Power Supply Kit

876935-B21

#### **Notes:**

- Must be used with high-line input (200V 240V AC).
- Only supported on Apollo 2000 Gen10 systems.

#### **HPE Flexible Slot Titanium Power Supply Kits**

#### Notes:

- Flex Slot Titanium power supplies support power efficiency of up to 96% and include a standard C-14 power inlet connector.
- Compliant with EU Lot 9 2024 minimum efficiency requirements.

HPE 800W Flex Slot Titanium Hot Plug Low Halogen Power Supply Kit

865438-B21

Notes: Must be used with high-line input (200V – 240V AC).

HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit

HPE 1800W-2200W Flex Slot Titanium Hot Plug Power Supply Kit

P44712-B21

#### Notes:

- Must be used with high-line input (200V 240V AC).
- Power supply output a result of input voltage. 2200W requires 240VAC input.
- On Gen10 & Gen10 Plus servers, P44712-B21 output capped at 1600W maximum, greater than 1600W only feasible on Gen11 systems.

### **Overview**

### **HPE Flexible Slot -48VDC Power Supply Kits**

#### Notes:

- Flex Slot -48VDC power supplies support power efficiency of up to 94%.
- Excluded from EU Lot 9 2024 minimum efficiency requirements scope.
- Flex Slot -48VDC power supplies may require separate purchase of power cords or lugs.

| HPE 800W Flex Slot -48VDC Hot Plug Low Halogen Power Supply Kit | 865434-B21 |
|---|------------|
| HPE 1600W Flex Slot -48VDC Hot Plug Power Supply Kit            | P17023-B21 |

### **HPE Flexible Slot HVAC/HVDC Power Supply Kits**

HPE 800W Flex Slot Hot Plug Universal Low Halogen High Voltage AC/DC Power Supply Kit

865428-B21

#### **Notes:**

- Flex Slot universal power supplies support power efficiency of up to 94%.
- Specialized PSU, focused on High Voltages supporting AC ranges from 200V to 277V and DC encompassing 240V to 420V
- Excluded from EU Lot 9 2024 minimum efficiency requirements scope.
- SAFDGRID-SAFDGRID connection only (J6X00A jumper cord). No other connectors are supported.

## **Standard Features**

#### Features/Benefits

#### **Titanium-Certified Power Efficiency**

- Titanium (96%) power efficiency certification from 80Plus program one of the highest power efficiency certifications available in the IT industry
- Reduces data center operating costs related to power by reducing server power requirements and power waste

#### Flex Slot Design

- Tool-less hot plug design improves serviceability by allowing quick and easy access to system power supplies
- Common form factor across all ProLiant Gen9 and Gen10servers allows multiple server platforms to share power supply spares, reducing cost and space requirements for spares

#### Wide arrange of Power Output Options

- Multiple output options allowing users to "right-size" their power needs and avoid "trapped" power capacity in their data centers caused by over-subscribing power needs
- Support for both low-line and high-line AC input voltages providing additional flexibility to operate in multiple IT environments. -48VDC, 277VAC and 380VDC input voltages are also available.

### **Power Management**

- Supports multiple operating modes to maximize power efficiency when configuring servers with redundant power supplies
- Integrated support for HPE's Power Discovery Services which communicates with the intelligent PDU to monitor and manage power usage (Gen9 1400W Platinum Plus only)

#### **80Plus Certification**

The 80PLUS test protocol was developed jointly by Ecova Plug Load Solutions and the Electric Power Research Institute (EPRI) in 2003, with the program being formally launched in 2004.

The 80 PLUS performance specification requires power supplies in servers to be 80% or greater energy efficient at 20%, 50% and 100% of rated load with a true power factor of 0.9 or greater. This makes an 80 PLUS certified power supply substantially more efficient than typical power supplies found in many other electrical devices.

### Who benefits from the 80PLUS power supply program?

- Commercial/Residential Consumers empowered with information regarding energy efficient IT options that help them cut energy costs and reduce their environmental impact
- Utility/Power Providers participation in a program that focuses on reducing power demands on overburdened grids as well as reducing power waste and its associated environmental impact

#### What are the efficiency requirements for each certification level?

| 80 PLUS Certification |     | 230V Internal |      |
|-----------------------|-----|---------------|------|
| % of Rated Load       | 20% | 50%           | 100% |
| 80 PLUS Bronze        | 81% | 85%           | 81%  |
| 80 PLUS Silver        | 85% | 89%           | 85%  |
| 80 PLUS Gold          | 88% | 92%           | 88%  |
| 80 PLUS Platinum      | 90% | 94%           | 91%  |
| 80 PLUS Titanium      | 94% | 96%           | 91%  |

#### What level of certification do HPE Flexible Slot Power Supplies meet?

HPE's Platinum and Platinum Plus power supply options meet 80PLUS requirements for Platinum certification. HPE's Titanium and Titanium Plus power supply options meet 80PLUS requirements for Titanium certification. To review 80Plus certification reports for each HPE Flexible Slot Power Supply, please refer to the 80Plus website at: <a href="https://www.plugloadsolutions.com/">https://www.plugloadsolutions.com/</a>.

### Standard Features

## **European Union Erp Lot 9 Regulation**

Beginning on January 1st, 2024, units sold into the European Union (EU), European Economic Area (EEA), the United Kingdom, or Switzerland must include more efficient AC power supplies: 94% for multi-output and 96% for single-output. HPE Flexible Slot power supplies are single-output, and part numbers 865438-B21, P03178-B21, and P44712-B21 are 96% efficient, thus meeting requirements.

## **Support for Redundant Power Supplies**

An HPE ProLiant server solution configured with 2 identical Flex Slot Power Supplies – 500W, 800W, 1400W, 1600W, or 1800W-2200W - supports the following three power scenarios:

- Operation with a single power supply
- Operation with redundant power supplies in load-balanced mode
- Operation with redundant power supplies in high-efficiency mode

A single Flex Slot Power Supply supporting the entire load of the server can achieve the highest efficiency when operating in the middle range (50%) of its capacity.

For redundant Flex Slot Power Supplies operating in load-balanced mode (the default mode when adding redundant power supplies), the load is shared equally between the two power supplies. In general, the load-balanced mode offers better efficiency for loads requiring more than 60 percent of the primary power supply capacity.

When high-efficiency mode is enabled for redundant supplies (via the server's ROM-based setup utility under System options -> Redundancy options), each power supply in the server is designated as either a primary or secondary supply, and the entire server load is shifted to the primary power supply. This allows the primary power supply to operate at higher efficiency points on the load curve while the secondary power supply operates in idle mode, providing no output power and consuming very little energy (typically two to four watts per supply). The user can also specify that odd or even power supplies will be designated manually or automatically as secondary supplies. This flexibility allows users to balance the load across a rack manually or automatically.

#### Compatibility

HPE Gen10 Flex Slot Low Halogen power supplies are compatible with most HPE ProLiant servers including the:

- HPE ProLiant DL20 Gen10, Gen10 Plus and Gen11
- HPE ProLiant DL320 Gen11
- HPE ProLiant DL325 Gen10, Gen10 Plus, Gen10 Plus v2 and Gen11
- HPE ProLiant DL345 Gen10 Plus and Gen11
- HPE ProLiant DL360 Gen10, Gen10 Plus, Gen11 and Gen12
- HPE ProLiant DL365 Gen10 Plus and Gen11
- HPE ProLiant DL380 Gen10, Gen10 Plus, Gen11 and Gen12
- HPE ProLiant DL384 Gen12
- HPE ProLiant DL385 Gen10, Gen10 Plus, Gen10 Plus v2 and Gen11
- HPE ProLiant DL560 Gen10
- HPE ProLiant DL580 Gen10
- HPE ProLiant ML30 Gen10, Gen10 Plus and Gen11
- HPE ProLiant ML110 Gen10 and Gen11
- HPE ProLiant ML350 Gen10. Gen11 and Gen12
- HPE ProLiant RL300 Gen11
- HPE Alletra 4110
- HPE Alletra 4120
- HPE Apollo 2000 Gen10 and Gen10 Plus
- HPE Apollo 4200 Gen10 and Gen10 Plus
- HPE Apollo 4500 Gen10

## **Standard Features**

#### **Notes:**

- Qualified Gen12, as well as Gen11 servers along DL325 Gen10 Plus v2, DL345 Gen10 Plus, DL360 Gen10 Plus, DL365 Gen10 Plus, DL380 Gen10 Plus, DL385 Gen10 Plus v2, Apollo 2000 Gen10 Plus, and Apollo 4200 Gen10 Plus must select P38995-B21 for 800W or P38997-B21 for 1600W power supplies.
- To check for power supply compatibility, please review the appropriate HPE Server QuickSpecs at http://www.hpe.com/info/qs.

## Service and Support

#### **HPE Services**

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

#### https://www.hpe.com/services

## **Consulting Services**

No matter where you are in your journey to hybrid cloud, experts can help you map out your next steps. From determining what workloads should live where, to handling governance and compliance, to managing costs, our experts can help you optimize your operations.

#### https://www.hpe.com/services/consulting

## **HPE Managed Services**

HPE runs your IT operations, providing services that monitor, operate, and optimize your infrastructure and applications, delivered consistently and globally to give you unified control and let you focus on innovation.

#### **HPE Managed Services | HPE**

## **Operational services**

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources. Meet service-level targets and business objectives with features designed to drive better business outcomes.

#### https://www.hpe.com/services/operational

## **HPE Complete Care Service**

HPE Complete Care Service is a modular, edge-to-cloud IT environment service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals through a personalized experience. All delivered by an assigned team of HPE Services experts. HPE Complete Care Service provides:

- A complete coverage approach -- edge to cloud
- An assigned HPE team
- Modular and fully personalized engagement
- Enhanced Incident Management experience with priority access
- Digitally enabled and AI driven customer experience

#### https://www.hpe.com/services/completecare

#### **HPE Tech Care Service**

HPE Tech Care Service is the operational support service experience for HPE products. The service goes beyond traditional support by providing access to product specific experts, an Al driven digital experience, and general technical guidance to not only reduce risk but constantly search for ways to do things better. HPE Tech Care Service delivers a customer-centric, Al driven, and digitally enabled customer experience to move your business forward. HPE Tech Care Service is available in three response levels. Basic, which provides 9x5 business hour availability and a 2-hour response time. Essential which provides a 15-minute response time 24x7 for most enterprise level customers, and Critical which includes a 6-hour repair commitment where available and outage management response for severity 1 incidents.

#### https://www.hpe.com/services/techcare

## Service and Support

## **HPE Lifecycle Services**

HPE Lifecycle Services provide a variety of options to help maintain your HPE systems and solutions at all stages of the product lifecycle. A few popular examples include:

- Lifecycle Install and Startup Services: Various levels for physical installation and power on, remote access setup, installation and startup, and enhanced installation services with the operating system.
- HPE Firmware Update Analysis Service: Recommendations for firmware revision levels for selected HPE products, taking into account the relevant revision dependencies within your IT environment.
- HPE Firmware Update Implementation Service: Implementation of firmware updates for selected HPE server, storage, and solution products, taking into account the relevant revision dependencies within your IT environment.
- Implementation assistance services: Highly trained technical service specialists to assist you with a variety of
  activities, ranging from design, implementation, and platform deployment to consolidation, migration, project
  management, and onsite technical forums.
- HPE Service Credits: Access to prepaid services for flexibility to choose from a variety of specialized service
  activities, including assessments, performance maintenance reviews, firmware management, professional
  services, and operational best practices.

Notes: To review the list of Lifecycle Services available for your product go to:

#### https://www.hpe.com/services/lifecycle

For a list of the most frequently purchased services using service credits, see the HPE Service Credits Menu

## Other Related Services from HPE Services:

#### **HPE Education Services**

Training and certification designed for IT and business professionals across all industries. Broad catalogue of course offerings to expand skills and proficiencies in topics ranging from cloud and cybersecurity to AI and DevOps. 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.

#### https://www.hpe.com/services/training

#### **Defective Media Retention**

An option available with HPE Complete Care Service and HPE Tech Care Service and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and services options.

#### Parts and Materials

HPE will provide HPE-supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials for available and recommended engineering improvements.

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.

### **How to Purchase Services**

Services are sold by Hewlett Packard Enterprise and Hewlett Packard Enterprise Authorized Service Partners:

- Services for customers purchasing from HPE or an enterprise reseller are quoted using HPE order configuration tools.
- Customers purchasing from a commercial reseller can find services at <a href="https://ssc.hpe.com/portal/site/ssc/">https://ssc.hpe.com/portal/site/ssc/</a>

# Service and Support

## Al Powered and Digitally Enabled Support Experience

Achieve faster time to resolution with access to product-specific resources and expertise through a digital and data driven customer experience

Sign into the HPE Support Center experience, featuring streamlined self-serve case creation and management capabilities with inline knowledge recommendations. You will also find personalized task alerts and powerful troubleshooting support through an intelligent virtual agent with seamless transition when needed to a live support agent.

## https://support.hpe.com/hpesc/public/home/signin

### **Consume IT On Your Terms**

**HPE GreenLake** edge-to-cloud platform brings the cloud experience directly to your apps and data wherever they are—the edge, colocations, or your data center. It delivers cloud services for on-premises IT infrastructure specifically tailored to your most demanding workloads. With a pay-per-use, scalable, point-and-click self-service experience that is managed for you, HPE GreenLake edge-to-cloud platform accelerates digital transformation in a distributed, edge-to-cloud world.

- Get faster time to market
- Save on TCO, align costs to business
- Scale quickly, meet unpredictable demand
- Simplify IT operations across your data centers and clouds

To learn more about HPE Services, please contact your Hewlett Packard Enterprise sales representative or Hewlett Packard Enterprise Authorized Channel Partner. Contact information for a representative in your area can be found at "Contact HPE"

### https://www.hpe.com/us/en/contact-hpe.html

For more information

http://www.hpe.com/services

# **Related Options**

# **Locking IEC Jumper Cables**

| HPE C13 - C14 WW 250V 10Amp 0.7m Black Locking Power Cord        | Q0P67A |
|--|--------|
| HPE C13 - C14 WW 250V 10Amp 1.4m Black Locking Power Cord        | Q0P68A |
| HPE C13 - C14 WW 250V 10Amp 2m Black Locking Power Cord          | Q0P69A |
| HPE C13 - C14 WW 250V 10Amp 3m Black Locking Power Cord          | Q0P70A |
| HPE C19 - C20 WW 250V 16Amp 2m Black Locking Power Cord          | Q0P72A |
| HPE C13 - C14 WW 250V 10Amp 0.7m Black 6-pack Locking Power Cord | Q0Q02A |
| HPE C13 - C14 WW 250V 10Amp 1.4m Black 6-pack Locking Power Cord | Q0Q03A |
| HPE C13 - C14 WW 250V 10Amp 2m Black 6-pack Locking Power Cord   | Q0Q04A |

**Notes:** Standard power cables and jumpers do not support Power Line Communications or Power Discovery Services.

## **IEC Jumper Cables**

| HPE C13 - C14 WW 250V 10Amp Flint Gray 2.0m Jumper Cord | AF573A     |
|---|------------|
| HPE C13 - C14 WW 250V 10Amp 1.4m Jumper Cord            | 142257-006 |
| HPE C13 - C14 WW 250V 10Amp 2.0m Jumper Cord            | A0K02A     |
| HPE C13 - C14 WW 250V 10Amp 2.5m Jumper Cord            | 142257-002 |
| HPE C13 - C14 WW 250V 10Amp 3.0m Jumper Cord            | 142257-003 |
| HPE C13 - JIS C8303 JP 100V 12Amp 2.0m Power Cord       | AF572A     |
| HPE C13 - AS3112-3 AU 250V 10Amp 2.5m Power Cord        | AF569A     |
| HPE C13 - Nema 5-15P US/CA 110V 10Amp 1.83m Power Cord  | AF556A     |
| HPE C13-NEMA 6-15P 10A/250V 3.6m Black Power Cord       | AON33A     |
| HPE C13 - GB-1002 CN 250V 10Amp 1.83m Power Cord        | AF557A     |
| HPE C13 - IS-1293 IN 240V 6Amp LV 2.0m Power Cord       | AF562A     |
| HPE C13 - CNS-690 TW 110V 13Amp 1.83m Power Cord        | AF561A     |
| HPE C13 - IRAM -2073 AR 250V 10A 2.5m Power Cord        | AF558A     |
| HPE C13 - NBR-14136 BR 250V 10Amp 1.83m Power Cord      | AF591A     |
| HPE C13 - DK-2.5A DK 250V 10Amp 1.83m Power Cord        | AF566A     |
| HPE C13 - CEE-VII EU 250V 10Amp 1.83m Power Cord        | AF568A     |
| HPE C13 - SI-32 IL 250V 10Amp 1.83m Power Cord          | AF564A     |
| HPE C13 - KSC- 8305 KR 250V 10Amp 1.83m Power Cord      | AF560A     |
| HPE C13 - SABS-164 ZA 250V 10Amp 2.5m Power Cord        | AF567A     |
| HPE C13 - SEV 1011 CH 250V 10Amp 1.83m Power Cord       | AF565A     |
| HPE C13 - Nema 5-15P TH/PH 250V 10Amp 1.83m Power Cord  | AF559A     |
| HPE C13 - BS-1363A UK/HK/SG 250V 10Amp 1.83m Power Cord | AF570A     |
|   |            |

**Notes:** Standard power cables and jumpers do not support Power Line Communications or Power Discovery Services.

## **Related Options**

#### **Localized Power Cords**

| HPE C13 - JIS C8303 JP 100V 12Amp 2.0m Power Cord   | AF572A |
|---|--------|
| HPE C13 - AS3112-3 AU 250V 10Amp 2.5m Power Cord  | AF569A |
| HPE C13 - Nema 5-15P US/CA 110V 10Amp 1.83m Power Cord  | AF556A |
| HPE C13-NEMA 6-15P 10A/250V 3.6m Black Power Cord   | A0N33A |
| HPE C13 - GB-1002 CN 250V 10Amp 1.83m Power Cord  | AF557A |
| HPE C13 - IS-1293 IN 240V 6Amp LV 2.0m Power Cord   | AF562A |
| !   |        |
| HPE C13 - CNS-690 TW 110V 13Amp 1.83m Power Cord  | AF561A |
| HPE C13 - IRAM -2073 AR 250V 10A 2.5m Power Cord  | AF558A |
| HPE C13 - NBR-14136 BR 250V 10Amp 1.83m Power Cord  | AF591A |
| HPE C13 - DK-2.5A DK 250V 10Amp 1.83m Power Cord  | AF566A |
| HPE C13 - CEE-VII EU 250V 10Amp 1.83m Power Cord  | AF568A |
| HPE C13 - SI-32 IL 250V 10Amp 1.83m Power Cord  | AF564A |
| HPE C13 - KSC- 8305 KR 250V 10Amp 1.83m Power Cord  | AF560A |
| HPE C13 - SABS-164 ZA 250V 10Amp 2.5m Power Cord  | AF567A |
| HPE C13 - SEV 1011 CH 250V 10Amp 1.83m Power Cord   | AF565A |
| HPE C13 - Nema 5-15P TH/PH 250V 10Amp 1.83m Power Cord  | AF559A |
| HPE C13 - BS-1363A UK/HK/SG 250V 10Amp 1.83m Power Cord   | AF570A |
| Notes: Standard power cables and jumpers do not support Power Line Communications or Power Discovery Services | 5.     |

## -48VDC Power Cables and Lugs

HPE 48VDC 2.85m Power Cable Q0H80A

Notes: Q0H80A is to be used with both

- Gen9 HPE 800W Flex Slot -48VDC Hot Plug Power Supply (720480-B21) and
- Gen10 HPE 800W Flex Slot -48VDC Hot Plug Low Halogen Power Supply Kit (865434-B21)

 HPE 1600W -48VDC 600V 3.5m Power Cable Kit
 P22173-B21

 HPE 1600W -48VDC Power Cable Lug Kit
 P36877-B21

**Notes:** 

- P22173-B21 and P36877-B21 are to be used with HPE 1600W Flex Slot -48VDC Power Supply Kit
- Only one power cable kit or power cable lug kit needs to be selected with the power supply
- Power cable lug kit spare PN: P23149-001

HPE SAFDGRID-SAFDGRID 277V 15Amp DC 2.0m Jumper Cord

**Notes:** This cable is used only with the 277VAC/380VDC Flex Slot Power supply (865428-B21) and is the

only supported by this power supply.

J6X00A

| HPE 500W Flex Slot Platinum Hot Plug Low     |        | Generic Pa | art Numbe |      | 865398-001<br>866729-001 |      |      |      |
|--|--------|------------|-----------|------|--------------------------|------|------|------|
| Halogen Power Supply Kit (865408-B21)        | Power  | Supply, 1  | U 12V 50  |      |                          |      |      |      |
| Input Voltage Range ( V rms )                | 100-24 | +O         |           |      |                          |      |      |      |
| Frequency Range (Nominal) ( Hz )             | 50-60  |            |           |      |                          |      |      |      |
| Nominal Input Voltage ( V rms )              | 100    | 120        | 127       | 200  | 208                      | 220  | 230  | 240  |
| Maximum Rated Output Wattage Rating (Watts)  | 500    | 500        | 500       | 500  | 500                      | 500  | 500  | 500  |
| Nominal Input Current ( A rms )              | 5.6    | 4.6        | 4.4       | 2.7  | 2.6                      | 2.5  | 2.4  | 2.3  |
| Maximum Rated Input Wattage Rating ( Watts ) | 557    | 550        | 549       | 539  | 539                      | 538  | 537  | 537  |
| Maximum Rated VA (Volt-Amp)                  | 563    | 556        | 554       | 545  | 544                      | 543  | 543  | 542  |
| Efficiency (%)                               | 89.7   | 90.8       | 91.1      | 92.7 | 92.8                     | 93.0 | 93.1 | 93.1 |
| Power Factor                                 | 0.99   | 0.99       | 0.99      | 0.99 | 0.99                     | 0.99 | 0.99 | 0.99 |
| Leakage Current ( mA )                       | 0.33   | 0.39       | 0.41      | 0.65 | 0.68                     | 0.72 | 0.75 | 0.78 |
| Maximum Inrush Current (A peak )             | 30     |            |           |      |                          |      |      |      |
| Maximum Inrush Current duration ( ms )       | 10     |            |           |      |                          |      |      |      |
| Maximum British Thermal Unit Rating (BTU-Hr) | 1902   | 1878       | 1873      | 1840 | 1838                     | 1835 | 1833 | 1832 |

| HPE 800W Flex Slot Platinum Hot Plug Low<br>Halogen Power Supply Kit (865414-B21) |                               | Generic Pa | art Numb  | 86540 | 865409-002<br>P39385-001 |      |      |      |
|---|-------------------------------|------------|-----------|-------|--------------------------|------|------|------|
|   |                               | GNRC 1     | J 12V 800 | P3938 |                          |      |      |      |
| Input Voltage Range ( V rms )   | 100-24                        | <b>4</b> 0 |           |       |                          |      |      |      |
| Frequency Range (Nominal) ( Hz )  | 50-60                         |            |           |       |                          |      |      |      |
| Nominal Input Voltage ( V rms )   | 100 120 127 200 208 220 230 2 |            |           |       |                          |      |      | 240  |
| Maximum Rated Output Wattage Rating (Watts)                                       | 800                           | 800        | 800       | 800   | 800                      | 800  | 800  | 800  |
| Nominal Input Current ( A rms )   | 9.1                           | 7.5        | 7.0       | 4.4   | 4.2                      | 4.0  | 3.8  | 3.6  |
| Maximum Rated Input Wattage Rating ( Watts )                                      | 899                           | 887        | 883       | 867   | 866                      | 865  | 864  | 864  |
| Maximum Rated VA (Volt-Amp)   | 908                           | 896        | 892       | 876   | 875                      | 874  | 873  | 873  |
| Efficiency (%)  | 89.0                          | 90.2       | 90.6      | 92.3  | 92.4                     | 92.5 | 92.6 | 92.6 |
| Power Factor  | 0.99                          | 0.99       | 0.99      | 0.99  | 0.99                     | 0.99 | 0.99 | 0.99 |
| Leakage Current ( mA )  | 0.33                          | 0.39       | 0.41      | 0.65  | 0.68                     | 0.72 | 0.75 | 0.78 |
| Maximum Inrush Current (A peak )  | 30                            |            |           |       |                          |      |      |      |
| Maximum Inrush Current duration ( ms )  | 10                            |            |           |       |                          |      |      |      |
| Maximum British Thermal Unit Rating ( BTU-Hr )                                    | 3067                          | 3025       | 3012      | 2958  | 2956                     | 2951 | 2948 | 2949 |

| HPE 800W Flex Slot Platinum Hot Plug Low<br>Halogen Power Supply Kit (P38995-B21) |                             | Generic Pa | art Numbe | 865409-002 |      |      |      |      |
|---|-----------------------------|------------|-----------|------------|------|------|------|------|
|   |                             | GNRC 1     | J 12V 800 | P39385-001 |      |      |      |      |
| Input Voltage Range ( V rms )   | 100-240                     |            |           |            |      |      |      |      |
| Frequency Range (Nominal) ( Hz )  | 50-60                       |            |           |            |      |      |      |      |
| Nominal Input Voltage ( V rms )   | 100 120 127 200 208 220 230 |            |           |            |      |      | 240  |      |
| Maximum Rated Output Wattage Rating (Watts)                                       | 800                         | 800        | 800       | 800        | 800  | 800  | 800  | 800  |
| Nominal Input Current ( A rms )   | 9.1                         | 7.5        | 7.0       | 4.4        | 4.2  | 4.0  | 3.8  | 3.6  |
| Maximum Rated Input Wattage Rating ( Watts )                                      | 899                         | 887        | 883       | 867        | 866  | 865  | 864  | 864  |
| Maximum Rated VA (Volt-Amp)   | 908                         | 896        | 892       | 876        | 875  | 874  | 873  | 873  |
| Efficiency (%)  | 89.0                        | 90.2       | 90.6      | 92.3       | 92.4 | 92.5 | 92.6 | 92.6 |
| Power Factor  | 0.99                        | 0.99       | 0.99      | 0.99       | 0.99 | 0.99 | 0.99 | 0.99 |
| Leakage Current ( mA )  | 0.33                        | 0.39       | 0.41      | 0.65       | 0.68 | 0.72 | 0.75 | 0.78 |
| Maximum Inrush Current (A peak )  | 30                          |            |           |            |      |      |      |      |
| Maximum Inrush Current duration ( ms )  | 10                          |            |           |            |      |      |      |      |
| Maximum British Thermal Unit Rating (BTU-Hr)                                      | 3067                        | 3025       | 3012      | 2958       | 2956 | 2951 | 2948 | 2949 |

| HPE 1600W Flex Slot Platinum Hot Plug Low    | HPE's Ger | neric Part Num | 830262 | 830262-002<br>P39384-001 |      |  |
|--|-----------|----------------|--------|--------------------------|------|--|
| Halogen Power Supply Kit (830272-B21)        | SPS-PS 1  | J 1600W 12V I  | P39384 |                          |      |  |
| Input Voltage Range ( V rms )                | 200-240   |                |        |                          |      |  |
| Frequency Range (Nominal) ( Hz )             | 50-60     |                |        |                          |      |  |
| Nominal Input Voltage ( V rms )              | 200       | 208            | 220    | 230                      | 240  |  |
| Maximum Rated Output Wattage Rating (Watts)  | 1600      | 1600           | 1600   | 1600                     | 1600 |  |
| Nominal Input Current ( A rms )              | 8.7       | 8.3            | 7.9    | 7.5                      | 7.2  |  |
| Maximum Rated Input Wattage Rating ( Watts ) | 1734      | 1732           | 1726   | 1727                     | 1725 |  |
| Maximum Rated VA (Volt-Amp)                  | 1736      | 1734           | 1729   | 1729                     | 1728 |  |
| Efficiency (%)                               | 92.2      | 92.4           | 92.7   | 92.7                     | 92.8 |  |
| Power Factor                                 | 1.00      | 1.00           | 1.00   | 1.00                     | 1.00 |  |
| Leakage Current ( mA )                       | 0.63      | 0.65           | 0.69   | 0.72                     | 0.75 |  |
| Maximum Inrush Current (A peak )             | 30        |                |        |                          |      |  |
| Maximum Inrush Current duration ( ms )       | 10        |                |        |                          |      |  |
| Maximum British Thermal Unit Rating (BTU-Hr) | 5918      | 5911           | 5888   | 5891                     | 5884 |  |

| HPE 1600W Flex Slot Platinum Hot Plug Low    | HPE's Ger | 830262-002<br>P39384-001 |      |      |      |  |  |  |
|--|-----------|--------------------------|------|------|------|--|--|--|
| Halogen Power Supply Kit (P38997-B21)        | SPS-PS 1  |                          |      |      |      |  |  |  |
| Input Voltage Range ( V rms )                | 200-240   |                          |      |      |      |  |  |  |
| Frequency Range (Nominal) ( Hz )             | 50-60     |                          |      |      |      |  |  |  |
| Nominal Input Voltage ( V rms )              | 200       | 208                      | 220  | 230  | 240  |  |  |  |
| Maximum Rated Output Wattage Rating (Watts)  | 1600      | 1600                     | 1600 | 1600 | 1600 |  |  |  |
| Nominal Input Current ( A rms )              | 8.7       | 8.3                      | 7.9  | 7.5  | 7.2  |  |  |  |
| Maximum Rated Input Wattage Rating ( Watts ) | 1734      | 1732                     | 1726 | 1727 | 1725 |  |  |  |
| Maximum Rated VA (Volt-Amp)                  | 1736      | 1734                     | 1729 | 1729 | 1728 |  |  |  |
| Efficiency (%)                               | 92.2      | 92.4                     | 92.7 | 92.7 | 92.8 |  |  |  |
| Power Factor                                 | 1.00      | 1.00                     | 1.00 | 1.00 | 1.00 |  |  |  |
| Leakage Current ( mA )                       | 0.63      | 0.65                     | 0.69 | 0.72 | 0.75 |  |  |  |
| Maximum Inrush Current (A peak )             | 30        |                          | ·    | ·    |      |  |  |  |
| Maximum Inrush Current duration ( ms )       | 10        |                          |      |      |      |  |  |  |
| Maximum British Thermal Unit Rating (BTU-Hr) | 5918      | 5911                     | 5888 | 5891 | 5884 |  |  |  |

| HPE 1800W-2200W Flex Slot Platinum Hot Plug  | HPE's Gen | eric Part Numb                             | per   |       | 876932-001 |  |  |  |
|--|-----------|--|-------|-------|------------|--|--|--|
| Power Supply Kit (876935-B21)                | Powersup  | Powersupply, GNRC 1U 2200W 12V Hotplug RED |       |       |            |  |  |  |
|  | HE-P-A    |  |       |       |            |  |  |  |
| Input Voltage Range ( V rms )                | 200-240   | 200-240                                    |       |       |            |  |  |  |
| Frequency Range (Nominal) ( Hz )             | 50-60     |  |       |       |            |  |  |  |
| Nominal Input Voltage ( V rms )              | 200       | 208  | 220   | 230   | 240        |  |  |  |
| Maximum Rated Output Wattage Rating (Watts)  | 1800      | 1900                                       | 2000  | 2100  | 2200       |  |  |  |
| Nominal Input Current ( A rms )              | 9.75      | 9.91                                       | 9.88  | 9.94  | 9.99       |  |  |  |
| Maximum Rated Input Wattage Rating ( Watts ) | 1931      | 2041                                       | 2153  | 2262  | 2373       |  |  |  |
| Maximum Rated VA (Volt-Amp)                  | 1951      | 2062                                       | 2175  | 2285  | 2397       |  |  |  |
| Efficiency (%)                               | 93.20     | 93.09                                      | 92.90 | 92.83 | 92.72      |  |  |  |
| Power Factor                                 | 0.99      | 0.99                                       | 0.99  | 0.99  | 0.99       |  |  |  |
| Leakage Current ( mA )                       | 0.63      | 0.65                                       | 0.69  | 0.72  | 0.75       |  |  |  |
| Maximum Inrush Current (A peak )             | 30        |  |       |       |            |  |  |  |
| Maximum Inrush Current duration ( ms )       | 10        |  |       |       |            |  |  |  |
| Maximum British Thermal Unit Rating (BTU-Hr) | 6590      | 6964                                       | 7345  | 7719  | 8096       |  |  |  |

| HPE 800W Flex Slot Titanium Hot Plug Low     | HPE's Ge  | neric Part Num | 865435-001 |     |    |            |  |
|--|---|----------------|------------|-----|----|------------|--|
| Halogen Power Supply Kit (865438-B21)        | POWER SUPPLY GENERIC 1U 12V 800W<br>HOTPLUG HIGH EFFICIENCY TITANIUM PLC<br>G10 |                |            |     |    | 866793-001 |  |
| Input Voltage Range ( V rms )                | 200-240   |                |            |     |    |            |  |
| Frequency Range (Nominal) ( Hz )             | 50-60   |                |            |     |    |            |  |
| Nominal Input Voltage ( V rms )              | 200   | 208            | 220        | 23  | 0  | 240        |  |
| Maximum Rated Output Wattage Rating (Watts)  | 800   | 800            | 800        | 80  | 0  | 800        |  |
| Nominal Input Current ( A rms )              | 4.3   | 4.1            | 3.9        | 3.7 | 7  | 3.6        |  |
| Maximum Rated Input Wattage Rating ( Watts ) | 851   | 851            | 850        | 84  | 8  | 848        |  |
| Maximum Rated VA (Volt-Amp)                  | 860   | 859            | 858        | 85  | 7  | 857        |  |
| Efficiency (%)                               | 94.0  | 94.0           | 94.2       | 94  | .3 | 94.3       |  |
| Power Factor                                 | 0.99  | 0.99           | 0.99       | 0.9 | 9  | 0.99       |  |
| Leakage Current ( mA )                       | 0.65  | 0.68           | 0.72       | 0.7 | 75 | 0.78       |  |
| Maximum Inrush Current (A peak )             | 30  |                |            |     |    |            |  |
| Maximum Inrush Current duration ( ms )       | 10  |                |            |     |    |            |  |
| Maximum British Thermal Unit Rating (BTU-Hr) | 2905  | 2903           | 2899       | 28  | 95 | 2893       |  |

| HPE 1000W Flex Slot Titanium Hot Plug Power Supply (P03178-B21) |         | HPE's Generic Part Number |      |      |      |      | P03159-001 |            |  |
|---|---------|---------------------------|------|------|------|------|------------|------------|--|
|   |         | HPE's Spares Part Number  |      |      |      |      |            | P44412-001 |  |
| Input Voltage Range ( V rms )                                   | 100-240 |                           |      |      |      |      |            |            |  |
| Frequency Range (Nominal) ( Hz )                                | 50-60   |                           |      |      |      |      |            |            |  |
| Nominal Input Voltage ( V rms )                                 | 100     | 120                       | 127  | 200  | 208  | 220  | 230        | 240        |  |
| Maximum Rated Output Wattage Rating (Watts)                     | 1000    | 1000                      | 1000 | 1000 | 1000 | 1000 | 1000       | 1000       |  |
| Nominal Input Current ( A rms )                                 | 11.0    | 9.0                       | 8.5  | 5.3  | 5.1  | 4.8  | 4.6        | 4.4        |  |
| Maximum Rated Input Wattage Rating ( Watts )                    | 1097    | 1079                      | 1075 | 1054 | 1053 | 1052 | 1051       | 1050       |  |
| Maximum Rated VA (Volt-Amp)                                     | 1097    | 1079                      | 1075 | 1054 | 1053 | 1063 | 1062       | 1061       |  |
| Efficiency (%)  | 91.2    | 92.7                      | 93.0 | 94.9 | 94.9 | 95.1 | 95.2       | 95.3       |  |
| Power Factor  | 1.00    | 1.00                      | 1.00 | 1.00 | 1.00 | 0.99 | 0.99       | 0.99       |  |
| Leakage Current ( mA )  | 0.33    | 0.39                      | 0.41 | 0.65 | 0.68 | 0.72 | 0.75       | 0.78       |  |
| Maximum Inrush Current (A peak )                                | 30      |                           |      |      |      |      |            |            |  |
| Maximum Inrush Current duration ( ms )                          | 10      |                           |      |      |      |      |            |            |  |
| Maximum British Thermal Unit Rating (BTU-Hr)                    | 3741    | 3682                      | 3668 | 3596 | 3594 | 3589 | 3586       | 3582       |  |

| HPE 1800W-2200W Flex Slot Titanium Hot       | HPE's Ger | eric Part Numb                      | er   | P447 | 714-001 |  |  |
|--|-----------|-------------------------------------|------|------|---------|--|--|
| Plug Power Supply (P44712-B21)               | PS GNRC   | PS GNRC 1U 2200W 12V HTPLG HE-P G11 |      |      |         |  |  |
| Input Voltage Range ( V rms )                | 200-240   | 200-240                             |      |      |         |  |  |
| Frequency Range (Nominal) ( Hz )             | 50-60     |                                     |      |      |         |  |  |
| Nominal Input Voltage ( V rms )              | 200       | 208                                 | 220  | 230  | 240     |  |  |
| Maximum Rated Output Wattage Rating (Watts)  | 1799      | 1900                                | 2000 | 2100 | 2200    |  |  |
| Nominal Input Current ( A rms )              | 9.6       | 9.8                                 | 9.7  | 9.8  | 9.8     |  |  |
| Maximum Rated Input Wattage Rating ( Watts ) | 1904      | 2013                                | 2119 | 2226 | 2334    |  |  |
| Maximum Rated VA (Volt-Amp)                  | 1923      | 2033                                | 2140 | 2249 | 2357    |  |  |
| Efficiency (%)                               | 94.5      | 94.4                                | 94.4 | 94.3 | 94.3    |  |  |
| Power Factor                                 | 0.99      | 0.99                                | 0.99 | 0.99 | 0.99    |  |  |
| Leakage Current ( mA )                       | 0.66      | 0.69                                | 0.73 | 0.76 | 0.80    |  |  |
| Maximum Inrush Current (A peak )             | 30        |                                     |      |      |         |  |  |
| Maximum Inrush Current duration ( ms )       | 10        |                                     |      |      |         |  |  |
| Maximum British Thermal Unit Rating (BTU-Hr) | 6497      | 6868                                | 7230 | 7596 | 7962    |  |  |

| HPE 800W Flex Slot -48VDC Hot Plug Low       | <b>HPE's Generic</b> | Part Number | 865431-001 |
|--|----------------------|-------------|------------|
| Halogen Power Supply Kit (865434-B21)        | Power Supply,        | 866728-001  |            |
| Input Voltage Range ( V DC )                 | -40 to -72           |             |            |
| Frequency Range (Nominal) ( Hz )             | DC                   |             |            |
| Nominal Input Voltage ( V DC )               | 40                   | 48          | 72         |
| Maximum Rated Output Wattage Rating (Watts)  | 800                  | 800         | 800        |
| Nominal Input Current ( A DC )               | 22.1                 | 18.2        | 12.0       |
| Maximum Rated Input Wattage Rating ( Watts ) | 874                  | 865         | 854        |
| Maximum Rated VA (Volt-Amp)                  | 883                  | 873         | 862        |
| Efficiency (%)                               | 91.5                 | 92.5        | 93.7       |
| Power Factor                                 | 1.0                  |             |            |
| Leakage Current ( mA )                       | 0.13                 | 0.16        | 0.23       |
| Maximum Inrush Current (A peak )             | 30                   |             |            |
| Maximum Inrush Current duration ( ms )       | 10                   |             |            |
| Maximum British Thermal Unit Rating (BTU-Hr) | 2983                 | 2951        | 2912       |

| HPE 1600W Flex Slot -48VDC Hot Plug Power    | HPE's Generic | P17021-001                       |      |
|--|---------------|----------------------------------|------|
| Supply Kit (P17023-B21)                      | PS GNRC 1U 12 | PS GNRC 1U 12 1600W HTPLG -48VDC |      |
| Input Voltage Range ( V DC )                 | -40 to -72    |                                  |      |
| Frequency Range (Nominal) ( Hz )             | DC            |                                  |      |
| Nominal Input Voltage ( V DC )               | 40            | 48                               | 72   |
| Maximum Rated Output Wattage Rating (Watts)  | 1600          | 1600                             | 1600 |
| Nominal Input Current ( A DC )               | 44.2          | 36.6                             | 24.4 |
| Maximum Rated Input Wattage Rating ( Watts ) | 1766          | 1758                             | 1755 |
| Maximum Rated VA (Volt-Amp)                  | 1766          | 1758                             | 1755 |
| Efficiency (%)                               | 90.6          | 91.0                             | 91.2 |
| Power Factor                                 | 1.0           |                                  |      |
| Leakage Current ( mA )                       | N/A           | N/A                              | N/A  |
| Maximum Inrush Current (A peak )             | 30            |                                  |      |
| Maximum Inrush Current duration ( ms )       | 10            |                                  |      |
| Maximum British Thermal Unit Rating (BTU-Hr) | 6026          | 6000                             | 5989 |

| HPE 800W Flex Slot Universal Hot Plug Low       |         | eneric Part N            | 865425-001 |      |      |  |  |
|---|---------|--------------------------|------------|------|------|--|--|
| Halogen Power Supply Kit (865428-B21)<br>277VAC |         | SUPPLY GEN<br>277V GEN10 | 866727-001 |      |      |  |  |
| Input Voltage Range ( V rms )                   | 200-277 |                          |            |      |      |  |  |
| Frequency Range (Nominal) ( Hz )                | 50-60   |                          |            |      |      |  |  |
| Nominal Input Voltage ( V rms )                 | 200     | 208                      | 230        | 240  | 277  |  |  |
| Maximum Rated Output Wattage Rating (Watts)     | 800     | 800                      | 800        | 800  | 800  |  |  |
| Nominal Input Current ( A rms )                 | 4.4     | 4.2                      | 3.8        | 3.6  | 3.1  |  |  |
| Maximum Rated Input Wattage Rating ( Watts )    | 869     | 868                      | 865        | 864  | 861  |  |  |
| Maximum Rated VA (Volt-Amp)                     | 877     | 876                      | 874        | 872  | 869  |  |  |
| Efficiency (%)                                  | 92.1    | 92.2                     | 92.5       | 92.6 | 93.0 |  |  |
| Power Factor                                    | 0.99    | 0.99                     | 0.99       | 0.99 | 0.99 |  |  |
| Leakage Current ( mA )                          | 0.65    | 0.68                     | 0.75       | 0.78 | 0.90 |  |  |
| Maximum Inrush Current (A peak )                | 8       |                          | ·          |      |      |  |  |
| Maximum Inrush Current duration ( ms )          | 10      |                          |            |      |      |  |  |
| Maximum British Thermal Unit Rating (BTU-Hr)    | 2964    | 2960                     | 2951       | 2947 | 2936 |  |  |

| HPE 800W Flex Slot Platinum Hot Plug Power   | HPE's ( | Generic Pa               | art Numb | er   | 723599-001 |            |      |      |  |
|--|---------|--------------------------|----------|------|------------|------------|------|------|--|
| Supply (720479-B21)                          |         | PS 800W CS PLATINUM PLUS |          |      |            | 754381-001 |      |      |  |
| Input Voltage Range ( V rms )                | 100-24  | +O                       |          |      |            |            |      |      |  |
| Frequency Range (Nominal) ( Hz )             | 50-60   |                          |          |      |            |            |      |      |  |
| Nominal Input Voltage ( V rms )              | 100     | 120                      | 127      | 200  | 208        | 220        | 230  | 240  |  |
| Maximum Rated Output Wattage Rating (Watts)  | 800     | 800                      | 800      | 800  | 800        | 800        | 800  | 800  |  |
| Nominal Input Current ( A rms )              | 9.1     | 7.5                      | 7.0      | 4.4  | 4.2        | 4.0        | 3.8  | 3.7  |  |
| Maximum Rated Input Wattage Rating ( Watts ) | 906     | 891                      | 878      | 871  | 870        | 869        | 868  | 868  |  |
| Maximum Rated VA (Volt-Amp)                  | 915     | 900                      | 887      | 880  | 879        | 877        | 876  | 877  |  |
| Efficiency (%)                               | 88.3    | 89.8                     | 91.1     | 91.9 | 92.0       | 92.1       | 92.2 | 92.1 |  |
| Power Factor                                 | 0.99    | 0.99                     | 0.99     | 0.99 | 0.99       | 0.99       | 0.99 | 0.99 |  |
| _eakage Current ( mA )                       | 0.32    | 0.38                     | 0.40     | 0.63 | 0.65       | 0.69       | 0.72 | 0.75 |  |
| Maximum Inrush Current (A peak )             | 30      |                          |          |      |            |            |      |      |  |
| Maximum Inrush Current duration ( ms )       | 10      |                          |          |      |            |            |      |      |  |
| Maximum British Thermal Unit Rating (BTU-Hr) | 3090    | 3040                     | 2997     | 2972 | 2968       | 2963       | 2960 | 2963 |  |

| HPE 800W Flex Slot Titanium Hot Plug Power   | HPE's Gen | eric Part Numb | 734868-001<br>754378-001 |      |      |
|--|-----------|----------------|--------------------------|------|------|
| Supply (720482-B21)                          | PS 800W   | CS Titanium    |                          |      |      |
| Input Voltage Range ( V rms )                | 200-240   |                |                          |      |      |
| Frequency Range (Nominal) ( Hz )             | 50-60     |                |                          |      |      |
| Nominal Input Voltage ( V rms )              | 200       | 208            | 220                      | 230  | 240  |
| Maximum Rated Output Wattage Rating (Watts)  | 800       | 800            | 800                      | 800  | 800  |
| Nominal Input Current ( A rms )              | 9.1       | 7.5            | 7.0                      | 4.4  | 4.2  |
| Maximum Rated Input Wattage Rating ( Watts ) | 906       | 891            | 878                      | 871  | 870  |
| Maximum Rated VA (Volt-Amp)                  | 915       | 900            | 887                      | 880  | 879  |
| Efficiency (%)                               | 88.3      | 89.8           | 91.1                     | 91.9 | 92.0 |
| Power Factor                                 | 0.99      | 0.99           | 0.99                     | 0.99 | 0.99 |
| Leakage Current ( mA )                       | 0.32      | 0.38           | 0.40                     | 0.63 | 0.65 |
| Maximum Inrush Current (A peak )             | 30        |                |                          |      |      |
| Maximum Inrush Current duration ( ms )       | 10        |                |                          |      |      |
| Maximum British Thermal Unit Rating (BTU-Hr) | 2910      | 2907           | 2904                     | 2901 | 2899 |

| HPE 800W Flex Slot -48VDC Hot Plug Power     | HPE's Generic | Part Number | 735040-001 |
|--|---------------|-------------|------------|
| Supply (720480-B21)                          | PS 800W CS -4 | 8VDC        | 754382-001 |
| Input Voltage Range ( V DC )                 | -40 to -72    |             |            |
| Frequency Range (Nominal) ( Hz )             | DC            |             |            |
| Nominal Input Voltage ( V DC )               | -40           | -48         | -72        |
| Maximum Rated Output Wattage Rating (Watts)  | 800           | 800         | 800        |
| Nominal Input Current ( A DC )               | 22.0          | 18.1        | 11.9       |
| Maximum Rated Input Wattage Rating ( Watts ) | 882           | 871         | 858        |
| Maximum Rated VA (Volt-Amp)                  | 882           | 871         | 858        |
| Efficiency (%)                               | 90.7          | 91.9        | 93.2       |
| Power Factor                                 | 1.0           |             |            |
| Leakage Current ( mA )                       | 0.0           |             |            |
| Maximum Inrush Current (A peak )             | 30            |             |            |
| Maximum Inrush Current duration ( ms )       | 10            |             |            |
| Maximum British Thermal Unit Rating (BTU-Hr) | 3008          | 2971        | 2929       |

| HPE 1400W Flex Slot Platinum Plus Hot Plug   | HPE's Ger | neric Part Numb | 733427-001<br>754383-001 |      |      |  |  |
|--|-----------|-----------------|--------------------------|------|------|--|--|
| Power Supply Kit (720620-B21)                | PS 1400W  | <b>V</b>        |                          |      |      |  |  |
| Input Voltage Range ( V rms )                | 200-240   | 200-240         |                          |      |      |  |  |
| Frequency Range (Nominal) ( Hz )             | 50-60     |                 |                          |      |      |  |  |
| Nominal Input Voltage ( V rms )              | 200       | 208             | 220                      | 230  | 240  |  |  |
| Maximum Rated Output Wattage Rating (Watts)  | 1400      | 1400            | 1400                     | 1400 | 1400 |  |  |
| Nominal Input Current ( A rms )              | 7.9       | 7.6             | 7.2                      | 6.8  | 6.5  |  |  |
| Maximum Rated Input Wattage Rating ( Watts ) | 1567      | 1564            | 1560                     | 1557 | 1554 |  |  |
| Maximum Rated VA (Volt-Amp)                  | 1583      | 1580            | 1575                     | 1572 | 1570 |  |  |
| Efficiency (%)                               | 89.4      | 89.5            | 89.8                     | 89.9 | 90.1 |  |  |
| Power Factor                                 | 0.99      | 0.99            | 0.99                     | 0.99 | 0.99 |  |  |
| Leakage Current ( mA )                       | 0.63      | 0.65            | 0.69                     | 0.72 | 0.75 |  |  |
| Maximum Inrush Current (A peak )             | 30        | ,               |                          |      |      |  |  |
| Maximum Inrush Current duration ( ms )       | 10        |                 |                          |      |      |  |  |
| Maximum British Thermal Unit Rating (BTU-Hr) | 5346      | 5336            | 5322                     | 5311 | 5302 |  |  |

| All AC Power Supplies:                            |  |
|---|--|
| Operating Temperature                             | 41° to 131°F (5° to 55°C)  |
| Operating Relative Humidity (%)                   | 5% to 95%, non-condensing  |
| Operating Elevation                               | The maximum ambient temperature of the power supply shall have an altitude de-rating, from sea level, of 1.0°C per every 304.8 m (1.8°F per every 1000 ft) above sea level to a maximum of 3048 m (10,000 ft).   |
| Storage Temperature                               | -40° to 185°F (-40 to 85°C)  |
| Storage Relative Humidity (%)                     | 5% to 95%, non-condensing  |
| Storage Elevation                                 | 0 to 50,000ft (0 to 15,240m)   |
| Input Voltage                                     | Low Line - Rated: 100V - 127V; Min 90V to Max 132V<br>High Line - Rated: 200 - 240V; Min 180V to Max 264V<br>(model 720620-B21, 720482-B21, 830272-B21, 865438-B21, 876935-B21, P38997-B21<br>supports High Line AC input only)<br>High Line - Rated: 200 - 277VAC; Min 180VAC to Max 305VAC (model 720484-B21 only)<br>240VDC Support - Rated 240VDC; Min 180VDC to Max 320VDC (model 720479-B21, 720620-B21, 865408-B21, 865414-B21, 865438-B21, 830272-B21, 876935-B21, |
| –   | P38995-B21, and P38997-B21 only)   |
| Input Frequency                                   | Rated: 50 - 60Hz; Min 47Hz to Max 63Hz   |
| FCC EMI Certification                             | CE Mark, UL, cUL, IEC, EN, KCC, BSMI, CCC, TUV, C-tick, CISPR Class A  |
| Mechanical Dimensions                             | 2.68 x 1.59 x 8.87 in (6.80 x 4.04 x 22.53 cm)   |
| (WxHxD)   | Notes: Length includes from handle to card-edge.   |
| Unit Weight                                       | 2.0 lbs. (0.91 kg)   |
|   | 3.0 lbs. (1.36 kg) (model 720620-B21 only)   |
| Shipping Dimensions (WxHxD)                       | 14.75 x 7.5 x 5.75 in (37.47 x 19.05 x 14.61 cm)   |
| Shipping Weight                                   | 3.5 lb (1.59 kg)<br>4.5 lb (2.04 kg) (model 720620-B21 only)   |
| Kit Contents                                      | Models P44712-B21, P38997-B21, P03178-B21, P38995-B21,720479-B21, 720620-B21 720482-B21, 865408-B21, 865414-B21, 830272-B21, and 865438-B21 ship with:   |
|   | (1) Power supply unit, (1) 2mtr IEC C13-C14 jumper cable, installation/safety guide  |
|   | Model 876935-B21, 720484-B21, 865428-B21 ship with:  |
|   | (1) Power supply unit, installation/safety guide   |
| Power Supply Hold-Up time in the event of AC loss |  |
| Condition: 100% rated output                      | Non-Redundant (1+0) – 10ms   |
| power (Time in Milliseconds –<br>Minimum)         | Redundant (1+1) – 20ms   |
| Condition: 50% rated output                       | Non-Redundant (1+0) – 20ms   |
| power (Time in Milliseconds –<br>Minimum)         | Redundant (1+1) – 30ms   |

| All DC Power Supplies:          |   |
|---------------------------------|---|
| Operating Temperature           | 41° to 131°F (5° to 55°C)   |
| Operating Relative Humidity (%) | 5% to 95%, non-condensing   |
| Operating Elevation             | 0 to 5,000ft (1,524m) with no derating;<br>The maximum ambient temperature of the power supply shall have an altitude derating from sea level, of 1.0°C per every 304.8 m (1.8°F per every 1000 ft) above sea level to a maximum of 3048 m (10,000 ft). |
| Storage Temperature             | -40° to 185°F (-40 to 85°C)   |
| Storage Relative Humidity (%)   | 5% to 95%, non-condensing   |
| Storage Elevation               | 0 to 50,000ft msl   |
| Input Voltage                   | 48VDC to 54VDC (nominal); Min 40VDC to Max 72VDC (model 720480-B21, 865434-B21, P17023-B21 only) 380VDC(nominal); Min 240VDC to Max 420VDC (model 865428-B21 only)  |
| Input Frequency                 | DC input  |
| Conformance Standards           | CE Mark, UL, CSA, IEC, EN, CNS, KC, CCC, C-tick, TUV, CISPR Class A   |
| Mechanical Dimensions (WxHxD)   | 1.58 x 2.67 x 7.20 in (4.03 x 6.80 x 18.29 cm)  |
| Unit Weight                     | 2.5 lb (1.13 kg)  |
| Shipping Dimensions (WxHxD)     | 14.87 x 7.25 x 5.63 in (37.77 x 18.42 x 14.30 cm)   |
| Shipping Weight                 | 3.5 lb (1.59 kg) (for model 720480-B21, 865428-B21, 865434-B21, P17023-B21)   |
| Kit Contents                    | Models 720480-B21, 865434-B21, P17023-B21 and 865428-B21 ship with:   |
|                                 | (1) Power supply unit, installation/safety guide  |

## Environment-friendly Products and Approach - End-of-life Management and Recycling

Hewlett Packard Enterprise offers end-of-life **product return, trade-in, and recycling programs**, in many geographic areas, for our products. Products returned to Hewlett Packard Enterprise will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE Directive (2012/19/EU) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the **Hewlett Packard Enterprise web site.** These instructions may be used by recyclers and other WEEE treatment facilities as well as Hewlett Packard Enterprise OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.

# **Summary of Changes**

| Date        | Version History | Action  | Description of Change   |
|-------------|-----------------|---------|---|
| 24-Feb-2025 | Version 21      | Changed | Standard Features and Technical Specifications were updated   |
| 15-Jul-2024 | Version 20      | Changed | Overview and Related Options were revised.  |
| 26-Feb-2024 | Version 19      | Changed | Overview Section Notes were updated   |
| 04-Dec-2023 | Version 18      | Changed | Service and Support Section was updated   |
| 05-Sep-2023 | Version 17      | Added   | Standard Features, Related Options, and Technical Specifications were updated   |
| 06-Mar-2023 | Version 16      | Added   | New 1800W-2200W Flex Slot Power Supply was added to the QuickSpecs.  Added new target platforms.  |
| 06-Feb-2023 | Version 15      | Changed | Overview and Related Options were revised.  |
| 05-Dec-2022 | Version 14      | Added   | New 1000W Flex Slot Power Supply was added to the QuickSpecs. Added new target platforms.   |
| 07-Feb-2022 | Version 13      | Changed | Standard Features, Related Options, and Technical Specifications were revised.  |
| 15-Nov-2020 | Version 12      | Changed | Service and Support Section was updated   |
| 07-Dec-2020 | Version 11      | Changed | Standard Features, Related Options, and Technical Specifications were revised.  |
| 04-May-2020 | Version 10      | Changed | SKUs were Updated   |
| 01-Oct-2018 | Version 9       | Changed | SKUs were Updated   |
| 02-Jul-2018 | Version 8       | Changed | Standard Features, Related Options, and Technical Specifications were revised.  |
| 04-Jun-2018 | Version 7       | Added   | New 1800W-2200W Flex Slot Power Supply was added to the QuickSpecs.   |
|             |                 | Changed | Overview, Standard Features, and Power Specifications were revised.   |
| 04-Dec-2017 | Version 6       | Changed | Overview and Standard Features were revised.  |
| 25-Sep-2017 | Version 5       | Added   | New HPE Scalable Persistent Memory 800W Flex Slot PSU and 400W BBU 2-pack FIO Kit was added to the QuickSpecs.                            |
|             |                 | Changed | Overview, Standard Features, Power Specifications, and Technical Specifications were revised.   |
| 11-Jul-2017 | Version 4       | Changed | Overview, Standard Features, Related Options, Power Specifications, and Technical Specifications were revised.                            |
| 08-Jan-2016 | Version 3       | Changed | Overview and Related Options sections were revised.   |
| 30-Mar-2015 | Version 2       | Added   | Added new Power Supply Kits.  |
|             |                 | Changed | Overview, Standard Features, Service and Support,<br>Related Options, Power Specifications, and Technical<br>Specifications were revised. |
| 30-Mar-2015 | Version 1       | Created | New QuickSpecs  |

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