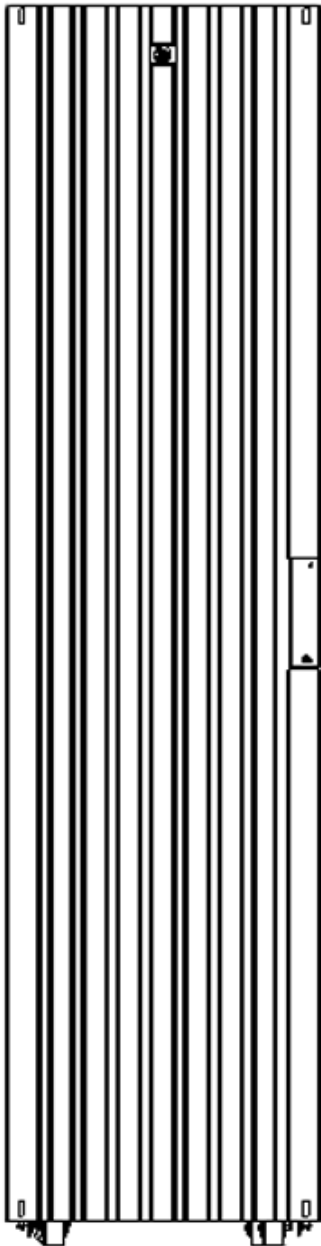


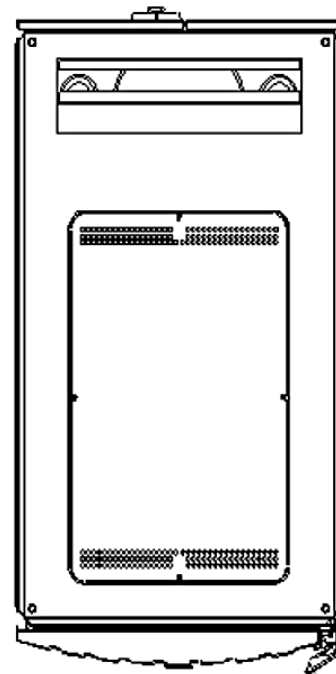
### Overview

HP sets the new standard for performance and value in the enterprise with the new 10000 G2 Series Rack family. This new enterprise-class rack combines unparalleled structural integrity, cooling, and cable management; ease of use capabilities and a wide choice of rack, power and switching options to deliver a best in class product. The new rack is designated as HP's universal rack, ideal for all HP rack mounted server and storage products, complementing and protecting your investment in technology. Specifically designed to ensure outstanding cooling and cable management, the 10000 G2 Series Rack is the best choice for enterprise racks.

In addition to the universality of the new racks, important improvements have been made from the previous version, including improved and updated front door design with bright-aluminum finish; improved front and rear door handles and latches, and easier to handle three section side panels.



HP Rack 10000 G2 Series - front view



HP Rack 10000 G2 Series - top view

### Overview

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### What's New

- Now supporting 3000lbs of static IT Equipment on leveling feet.  
**CAUTION:** Static loading limits cannot be achieved if the rack is: 1. Not on its leveling feet and 2. Rolled or pushed from its position. Not responsible for floor damages where the rack resides. Your floor weight capacity may not support the full static load capacity. Check with your floor provider before loading.
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### At a Glance

- The HP Rack 10000 G2 Series is the first universal rack compatible with all HP rack mounted products including ProLiant, Integrity, Nonstop, HP 9000 and Alpha servers as well as StorageWorks products. This effort simplifies the HP rack product line by consolidating all previous rack offerings into a single universal rack for all HP server and storage platforms.
- The HP Rack 10000 G2 Series also offers many improvements over the HP Rack 10000 Series racks:
  - Front door with updated design
  - Front and rear door handles and lock bars for improved security
  - Side panels come in 3 parts for easier manageability and mounting
  - Cable management accessories
  - Improved CTO pallet with offload metal ramp included
  - Improved mounting of stabilization feet with expanded offering to include regular and heavy-duty stabilization feet in 600 mm and a new regular 800 mm wide stabilizer
  - Expanded offering of rack configurations including:
    - 36U and 42U Rack with rear extension kit included, mounted on a shock pallet for CTO
    - New rack tie-down kit and new grounding kit
- Three year limited warranty, parts only (3/0/0)

### Models

#### HP Rack 10000 G2 Series

10642 G2 (42U) Rack Cabinet - Pallet	AF001A
10642 G2 (42U) Rack Cabinet - Shock Pallet*	AF002A
10642 G2 (42U) Rack Cabinet - Crated	AF003A
10642 G2 (42U) Rack Cabinet, with Extension - Shock Pallet*	AF004A
10636 G2 (36U) Rack Cabinet - Pallet	AF011A
10636 G2 (36U) Rack Cabinet - Shock Pallet*	AF012A
10636 G2 (36U) Rack Cabinet - Crated	AF013A
10636 G2 (36U) Rack Cabinet, with Extension - Shock Pallet*	AF014A
10622 G2 (22U) Rack Cabinet - Pallet	AF021A
10622 G2 (22U) Rack Cabinet - Shock Pallet	AF022A
10642 G2 (42U) Rack Cabinet 1200mm Deep - Shock Pallet*	AF034A
10642 G2 (42U) Rack Cabinet 1200mm Deep - Pallet	AF038A
10842 G2 (42U) 800mm Wide Rack Cabinet - Pallet	AF041A
10842 G2 (42U) 800mm Wide Rack Cabinet - Shock Pallet	AF042A
10647 G2 (47U) Rack Cabinet - Pallet	AF031A
S10614 (14U) Rack Cabinet - Shock Pallet	292302-B22
10647 G2 (47U) Rack Cabinet 1200mm Deep - Shock Pallet*	AF044A
10647 G2 (47U) Rack Cabinet 1200mm Deep - Pallet	AF045A

**NOTE:** Due to handling and shipping requirements, AF044A is only orderable through HP Factory Express. It is not for direct sales. Customer site surveys are required before an order is approved. CTO orders may require additional lead time.

\* A rack with a shock pallet must be used when shipping racks with equipment installed.

**NOTE:** 0D1 may appear after the above selected part numbers on your sales order if factory integration is indicated.

### Standard Features

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**NOTE:** For a brief, printer friendly data sheet that describes this product and informs you of the essential capabilities and specifications, please visit: <http://h71028.www7.hp.com/ERC/downloads/4AA0-3605ENW.pdf>.

**Product Description** HP sets the standard for industry standard racks in the enterprise with the HP 10000 G2 Series Rack family and rack options. This enterprise-class rack system combines unparalleled design and performance for rack durability, cooling, cable management and flexibility of configuration.

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**The HP 10000 G2 Series Rack System Compatibility** The following HP products are compatible with the HP Rack 10000 G2 Series:

- HP ProLiant servers
  - HP Integrity servers
  - HP BladeSystem
  - HP NonStop
  - HP StorageWorks MSA, EVA and XP
  - All third party equipment designed to mount on industry standard 19" wide racks
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**Industry Standard Support** The HP Rack 10000 G2 Series racks are industry standard 19 inch RETMA standard and will support third-party equipment designed to mount on 19 inch wide

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<b>EIA</b>	The HP Rack 10000 G2 Series conforms to EIA-310D Type A cabinet per section 4.1.1
<b>UL/CES Certification</b>	No
<b>WEEE</b>	Yes
<b>RoHS compliant</b>	Yes

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**Innovative Breakthroughs**

- The 2 meter form factor of the 42U HP 10000 G2 Series rack allows the rack to be pushed upright through most standard doorways for easy door clearance
- HP is the only IT rack provider to offer a complete line of options and accessories that are designed to support HP products.
- Configurable at HP CTO (Configure to Order) facilities with dynamic weight up to 2000 lbs.

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### Standard Features

#### Service and Support Offerings (HP Care Pack Services)

HP Care Pack services include coverage for the HP branded hardware options qualified for the server and purchased at the same time or afterward that are internal to the enclosure. This also includes the 22" and smaller external monitors and tower UPS options up to 3kVA. These items will be covered at the same service level and for the same coverage period as the server. Coverage of UPS Battery is not included, and standard warranty terms & conditions apply. For servers or storage systems installed within a rack, service also covers all HP qualified rack options installed within the same rack.

- **HP Services**
  - To help streamline implementation and enhance ongoing support of rack solution, HP provides cost-effective service options with resources and specialized expertise to complement customers' in-house capabilities.
- **Installation and Startup services**
  - Take advantage of complete installation and implementation support-including global rollout capabilities-to get rack solutions up-and-running rapidly, with minimal business disruption.
- **Rack Option Hardware Support**
  - Cover rack options with a single convenient service package. HP Care Pack Services for rack-mounted ProLiant DL servers and storage products provide support for all HP-branded rack hardware options that are qualified for inclusion with the server at the time of or after purchase. In addition, 22-inch and smaller external monitors, tower units, and UPS options up to 3KVA are covered at the same service level and for the same period as the server at not additional cost. Also covered are any additional HP-qualified rack options installed within the same rack.

HP Care Pack Services help increase uptime and productivity with rapid response on a 24x7 or 13x5 basis. Both options feature same-day, 4-hour onsite assistance when service issues cannot be resolved remotely. And both help enhance the return on server investment with proven HP Services expertise and consistent support levels across geographically dispersed sites.

**NOTE:** To learn more, please visit:

<http://www.hp.com/services/proliantservices>

<http://www.hp.com/services/bladessystemservices>

### Rack Options

Several options allow for quick and easy expansion of the HP Rack 10000 G2 Series racks to create a custom solution.

**NOTE:** This is only a sampling of the many HP Rack options available. See the HP rack products Web site for more complete information at <http://www.hp.com/products/rackoptions>. Contact your nearest HP Authorized Reseller or Service Provider for information about ordering HP parts. In the United States, HP can make arrangements to have your rack system installed by qualified Guaranteed Service Providers. This installation service covers the entire hardware installation sequence, from unpacking the components to routing cabling and running a test of the system.

**HP Airflow Optimization** HP 10000 Series Rack Airflow Optimization Kit AF090A

**NOTE:** The Airflow Optimization kit is designed to prevent hot and cold air from mixing thus optimizing the temperature at which the chilled air enters the racked servers.

**NOTE:** When configuring racks through Factory Express, a Rack Optimization kit will automatically ship with the rack. This kit is recommended for all other rack configurations also.

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**10000 G2 Series Front Doors** HP 10642 G2 Front Door AF009A  
HP 10636 G2 Front Door AF019A

**NOTE:** Doors are included in all HP 10000 G2 Series racks. G2 doors are made available for customers that wish to swap the previous 10000 Series door for the new rack door model for uniformity of appearance in the datacenter.

**NOTE:** Kits may be retro-fitted to 10000 Series Racks.

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**HP Rack Light Kit** 110V/220V Rack Light Kit 361589-B21

**NOTE:** Supports HP Rack 10000 Series and HP Rack 10000 G2 series. This light kit is mounted on the rack roof and used to provide light to the rear section of the rack.

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**HP Rack Securing Kit** 600W 10000 G2 Rack Tie Down AF076A

**NOTE:** For HP 10000 G2 Series only. The tie down kit is used to secure the rack to the datacenter floor. This is not a Zone 4 approved product.

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**Rack Coupling Kit** Rack Coupling Kit (Carbon) 248929-B21

**NOTE:** Supported by both the Rack 10000 and Rack 10000 G2 series. Supports 24 in and 600 mm floor tile spacing. The kit is used to join two or more 10000 series racks of the same height together in minutes to create a multi-bay configuration.

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**Offset Baying Kit** 9000/10000 Offset Baying Kit (42U) 248931-B21

**NOTE:** This kit can be used to connect 9000 and 10000 series racks of the same U height together. Kit contents include hardware for connecting racks and a panel to cover the 100mm gap at the rear of the two racks.

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### Rack Options

Sidewall Panel Kits	10642 G2 (42U) Side Panels (set of two) (Graphite Metallic)	AF054A
	10636 G2 (36U) Side Panels (set of two) (Graphite Metallic)	AF056A
	10647 G2 (47U) Side panel (set of two) (Graphite Metallic)	AF050A

**NOTE:** The lightweight, locking side panels for the G2 Series racks come in 3 sections for better handling. Side panels are included with the 22U and 14U racks.

Universal 1U Filler Panels (Carbon Graphite)	HP 10pk Carbonite 1U Universal Filler Panel	AF070A
	HP 100pk Carbonite 1U Universal Filler Panel	AF071A

**NOTE:** The 1U filler panel is designed to prevent hot air recirculation within the rack. This provides the optimum cold air draw for rack mounted systems and reduces your power and cooling costs.

**NOTE:** 0D1 may appear after the above selected part numbers on yours sales order if factory integration is indicated.

Rack Stabilization Kits	Ballast Option Kit	120672-B21
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**NOTE:** The Ballast Option Kit is designed to provide additional stability and support when used with the Stabilizer Kit. It is typically used when very heavy equipment is routinely installed, removed or accessed within the rack.

HP 10K G2 600mm Stabilizer Option Kit (Graphite)	AF062A
HP 10K G2 800mm Stabilizer Option Kit (Graphite)	AF066A
HP 10K G2 600mm Stabilizer Hvy Dty V2 (Graphite)	AF065A

**NOTE:** The anti-tip stabilizer kits provide stability and support when equipment is installed, removed or accessed within the rack. Heavy Duty stabilizer kits should be used when a single racked component exceeds 200 lbs. The 600mm wide version is to be used with 10622, 10636, and 10642, and 10647 racks. The 800mm wide version is to be used only with the 10842 rack. The 10KG2 22u racks AF021A and AF022A ships with Stabilization kit.

Grounding Kit	HP Rack Grounding Kit (Carbon)	AF074A
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**NOTE:** Supported by the Rack 10000 and Rack 10000 G2 series.

**NOTE:** 0D1 may appear after the above selected part numbers on yours sales order if factory integration is indicated.

HP Cable Management Kits	Cable Management "D" Ring (10 pack)	168233-B21
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**NOTE:** This kit consists of 10 "D" rings that can be used in addition to the rings that ship standard in the 10000 series and 10000 G2 series racks for cable management.

HP Hook and Loop Strips (50 pack)	379820-B21
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HP Rack Cable Management Kit	AF099A
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**NOTE:** This kit provides an easy way to organize and route cables within HP Racks. Cable clips, cable rings, and 1U and 2U access panels are included.

**NOTE:** 0D1 may appear after the above selected part numbers on yours sales order if factory integration is indicated.

### Rack Options

HP Locking Drawer	<p>HP 2U Universal Locking Drawer <span style="float: right;">361591-B21</span></p> <p><b>NOTE:</b> This product mounts on HP 10000 Series and HP Rack 10000 G2 series racks with sliding rails and is used to store CD's, Instruction manuals, tools, and any other item that is frequently used at the rack. Drawer includes lock.</p> <p><b>NOTE:</b> 0D1 may appear after the above selected part numbers on yours sales order if factory integration is indicated.</p>
HP Rack Cable Trays	<p>Rack Top Cable Tray, 600W <span style="float: right;">383982-B21</span></p> <p>Rack Top Cable Tray, 800W <span style="float: right;">383983-B21</span></p> <p>Rack to Rack Adjustable Cable Tray, Aisle Transfer Bridge <span style="float: right;">383984-B21</span></p> <p><b>NOTE:</b> The Aisle Transfer bridge allows for cabling trays to be connected even across different aisles in the datacenter.</p> <p><b>NOTE:</b> These kits mount on the top of the 9000 and 10000 Series rack (except the S10614 rack). Kit color is graphite.</p>
Rack Cooling	<p>10642 G2 Top Exhaust Extension Kit <span style="float: right;">AF028A</span></p> <p><b>NOTE:</b> This Kit contains the top exhaust and the rear extension. Compatible with 10000 G2 Series 42U 600mm wide racks only. Field retrofit of an existing rack requires AF028A and AF029A.</p> <p>10642 G2 Top Exhaust Field Retrofit Kit <span style="float: right;">AF029A</span></p> <p><b>NOTE:</b> This field retrofit kit contains the rack to exhaust conversion parts (bottom &amp; top panel, solid rear doors airflow opt. kit). Compatible with 10000 G2 Series 42U 600mm wide racks only. Field retrofit of an existing rack requires AF028A and AF029A.</p> <p>10642 G2 Top Exhaust Rack <span style="float: right;">AF030A</span></p> <p><b>NOTE:</b> This Kit a complete rack (AF002A) incl. AF029. This is not for direct sales, Factory CTO only. Factory CTO requires AF030A and AF028A - to get a complete Top Exhaust solution.</p> <p>HP Roof Mounted Fan Kit 110V <span style="float: right;">257413-B21</span></p> <p>HP Roof Mounted Fan Kit 220V <span style="float: right;">257414-B21</span></p> <p><b>NOTE:</b> 0D1 may appear after the above selected part numbers on yours sales order if factory integration is indicated.</p>
Rear Extension Kits	<p>10636 G2 Rear Extension Kit (155mm) <span style="float: right;">AF060A</span></p> <p>10647 G2 Rear Extension Kit (200mm) <span style="float: right;">AF043A</span></p> <p>10642 G2 Rear Extension Kit (200mm) <span style="float: right;">AF036A</span></p> <p><b>NOTE:</b> Compatible with 10000 and 10000 G2 Series racks. Extends the rack 155mm for ideal cable management and adding Dual Rack Mounted PDU.</p>
Service and Support Offerings (HP Care Pack Services)	<p>Hardware Installation (Electronic) <span style="float: right;">U2871E</span></p>

### Technical Specifications

#### 10642 G2 Rack (42U)

Dimensions (HxDxW)	<b>Total Cabinet Area</b>	78.89 x 39.691 x 24 in (200.4 x 101.5 x 59.7 cm)
	<b>Shipping</b> (with packaging materials)	86.22 x 48 x 35.56 in (219 x 121.92 x 90.3 cm)
Weight	<b>Operating</b>	253 lb (114.84 kg)
	<b>Shipping</b>	284 lb (129 kg)
Load	<b>Static</b>	3000 lb (1361 kg)
	<b>Dynamic</b>	2000 lb (908 kg)
Color	<b>Doors</b>	Graphite Metallic
	<b>Frame</b>	Carbon

#### 10642 G2 1200mm Deep Rack (42U)

Dimensions (HxDxW)	<b>Total Cabinet Area</b>	79 x 48.875 x 24 in (200.7 x 123.8 x 60 cm)
	<b>Shipping</b> (with packaging materials)	86 x 56 x 36 in (219 x 14.3 x 91.5 cm)
Weight	<b>Operating</b>	250 lb (113 kg)
	<b>Shipping</b>	288 lb (131 kg)
Load	<b>Static</b>	3000 lb (1361 kg)
	<b>Dynamic</b>	2000 lb (908 kg)
Color	<b>Doors</b>	Graphite Metallic
	<b>Frame</b>	Carbon

#### 10636 G2 Rack (36U)

Dimensions (HxDxW)	<b>Total Cabinet Area</b>	68.6 x 39.691 x 24 in (173.5 x 101.5 x 59.7 cm)
	<b>Shipping</b> (with packaging materials)	75.25 x 48 x 32 in (191.14 x 121.92 x 81.28 cm)
Weight	<b>Operating</b>	220 lb (100 kg)
	<b>Shipping</b>	272 lb (123 kg)
Load	<b>Static</b>	2000 lb (908 kg)
	<b>Dynamic</b>	1520 lb (690 kg)
Color	<b>Doors</b>	Graphite Metallic
	<b>Frame</b>	Carbon

### Technical Specifications

#### 10622 G2 Rack (22U)

Dimensions (HxDxW)	<b>Total Cabinet Area</b>	43 x 39.691 x 24 in (109.22 x 100.82 x 60.96 cm)
	<b>Shipping</b> (with packaging materials)	52.25 x 48 x 32 in (132.72 x 121.92 x 81.28 cm)
Weight	<b>Operating</b>	176 lb (79.89 kg)
	<b>Shipping</b>	225 lb (102.13 kg)
Load	<b>Static</b>	2000 lb (908 kg)
	<b>Dynamic</b>	1045 lb (474 kg)
Color	<b>Doors</b>	Graphite Metallic
	<b>Frame</b>	Carbon

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#### 10842 G2 Rack (42U) Wide

Dimensions (HxDxW)	<b>Total Cabinet Area</b>	78.7 x 39.691 x 31.5 in (199.90 x 100.82 x 80.01 cm)
	<b>Shipping</b> (with packaging materials)	85 x 48 x 43.5 in (215.9 x 121.92 x 110.49 cm)
Weight	<b>Operating</b>	295 lb (133.8 kg)
	<b>Shipping</b>	335 lb (151.95 kg)
Load	<b>Static</b>	2000 lb (908 kg)
	<b>Dynamic</b>	2000 lb (908 kg)
Color	<b>Doors</b>	Graphite Metallic
	<b>Frame</b>	Carbon

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#### 10647 G2 Rack (47U)

Dimensions (HxDxW)	<b>Total Cabinet Area</b>	89.96 x 39.691 x 24 in (228.5 x 100.82 x 60.96 cm)
	<b>Shipping</b> (with packaging materials)	95.47 x 48 x 32 in (242.49 x 121.92 x 81.28 cm)
Weight	<b>Operating</b>	245 lb (111 kg)
	<b>Shipping</b>	284 lb (129 kg)
Load	<b>Static</b>	3000 lb (1361 kg)
	<b>Dynamic</b>	Do not ship with equipment installed
Color	<b>Doors</b>	Graphite Metallic
	<b>Frame</b>	Carbon

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### Technical Specifications

#### 10647 G2 200mm Ext Rack (47U)

Dimensions (HxDxW)	<b>Total Cabinet Area</b>	89.96 x 48.875 x 24 in (228.5 x 124 x 61 cm)
	<b>Shipping</b> (with packaging materials)	95.47 x 56 x 36 in (242.5 x 142.3 x 91.5 cm)
Weight	<b>Operating</b>	260 lb (118 Kg)
	<b>Shipping</b>	290 lb (132 Kg)
Load	<b>Static</b>	3000 lb (1361 kg)
	<b>Dynamic</b>	2000 lb (908 kg)
Color	<b>Doors</b>	Graphite Metallic
	<b>Frame</b>	Carbon

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<b>Environment-friendly Products and Approach</b>	<b>End-of-life Management and Recycling</b>	Hewlett-Packard offers end-of-life HP product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go to <a href="http://www.hp.com/go/green">http://www.hp.com/go/green</a> . To recycle your product, please go to: <a href="http://www.hp.com/go/green">http://www.hp.com/go/green</a> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.
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The EU WEEE directive (2002/95/EC) 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 web site at: <http://www.hp.com/go/green>. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

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