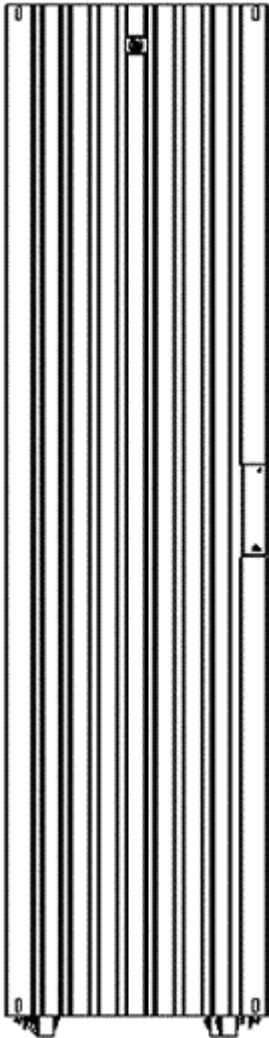


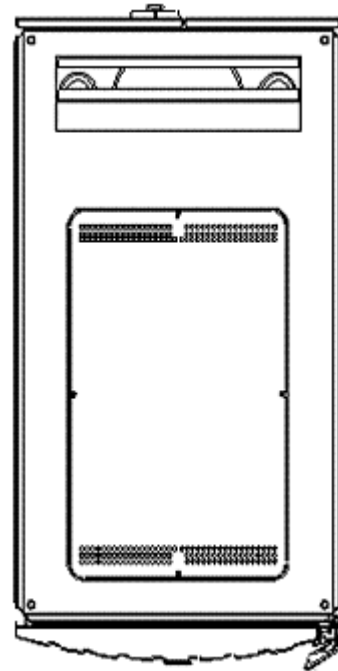
Overview

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

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.
-

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

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

10642 G2 (42U) Rack Cabinet - Pallet AF001A

10642 G2 (42U) Rack Cabinet - Shock Pallet AF002A

NOTE: A rack with a shock pallet must be used when shipping racks with equipment installed.

10642 G2 (42U) Rack Cabinet - Crated AF003A

10636 G2 (36U) Rack Cabinet - Pallet AF011A

10636 G2 (36U) Rack Cabinet - Shock Pallet AF012A

NOTE: A rack with a shock pallet must be used when shipping racks with equipment installed.

10636 G2 (36U) Rack Cabinet - Crated AF013A

10636 G2 (36U) Rack Cabinet, with Extension - Shock Pallet AF014A

NOTE: A rack with a shock pallet must be used when shipping racks with equipment installed.

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

NOTE: A rack with a shock pallet must be used when shipping racks with equipment installed.

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

NOTE: A rack with a shock pallet must be used when shipping racks with equipment installed.

10647 G2 (47U) Rack Cabinet - Pallet AF031A

10647 G2 (47U) Rack Cabinet 1200mm Deep - Shock Pallet AF044A

NOTE: A rack with a shock pallet must be used when shipping racks with equipment installed.

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.

10647 G2 (47U) Rack Cabinet 1200mm Deep - Pallet AF045A

HP Rack 10000 Series

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

S10614 (14U) Rack Cabinet - Shock Pallet 292302-B22

NOTE: A rack with a shock pallet must be used when shipping racks with equipment installed.

Standard Features

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>.

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

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

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

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.

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

Standard Features

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/bladesystemsolutions>

Related 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 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.	AF090A
10000 G2 Series Front Doors	HP 10642 G2 Front Door HP 10636 G2 Front Door 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.	AF009A AF019A
HP Rack Light Kit	110V/220V Rack Light Kit 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.	361589-B21
HP Rack Securing Kit	600W 10000 G2 Rack Tie Down 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.	AF076A
Rack Coupling Kit	Rack Coupling Kit (Carbon) 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.	248929-B21
Offset Baying Kit	9000/10000 Offset Baying Kit (42U) 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.	248931-B21

Related 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.

Rack Stabilization Kits	Ballast Option Kit	120672-B21
	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
	NOTE: Supported by the Rack 10000 and Rack 10000 G2 series.	
	NOTE: 0D1 will 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
	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
	HP Rack Cable Management Kit	AF099A
	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 will appear after the above selected part numbers on yours sales order if factory integration is indicated.	

HP Locking Drawer	HP 2U Universal Locking Drawer	361591-B21
	NOTE: 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.	
	NOTE: 0D1 will appear after the above selected part numbers on yours sales order if factory integration is indicated.	

Related Options

HP Rack Cable Trays	Rack Top Cable Tray, 600W	383982-B21
	Rack Top Cable Tray, 800W	383983-B21
	Rack to Rack Adjustable Cable Tray, Aisle Transfer Bridge	383984-B21

NOTE: The Aisle Transfer bridge allows for cabling trays to be connected even across different aisles in the datacenter.

NOTE: These kits mount on the top of the 9000 and 10000 Series rack (except the S10614 rack). Kit color is graphite.

Rack Cooling	10642 G2 Top Exhaust Extension Kit	AF028A
	NOTE: 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.	
	10642 G2 Top Exhaust Field Retrofit Kit	AF029A
	NOTE: This field retrofit kit contains the rack to exhaust conversion parts (bottom & 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.	

	10642 G2 Top Exhaust Rack	AF030A
	NOTE: 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.	

	HP Roof Mounted Fan Kit 110V	257413-B21
	HP Roof Mounted Fan Kit 220V	257414-B21
	NOTE: 0D1 will appear after the above selected part numbers on yours sales order if factory integration is indicated.	

Rear Extension Kits	10636 G2 Rear Extension Kit (155mm)	AF060A
	10647 G2 Rear Extension Kit (200mm)	AF043A
	10642 G2 Rear Extension Kit (200mm)	AF036A

NOTE: Compatible with 10000 and 10000 G2 Series racks. Extends the rack 155mm for ideal cable management and adding Dual Rack Mounted PDU.

Keyboard and Monitors	TFT7600 Rackmount Keyboard and Monitor	AG052A
	HP TAA TFT7600 Rkmntkybd 17in Monitor	AG067A

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

NOTE: The blanking panels are made from high grade molded plastic, and are designed to be installed without tools. The use of blanking panels is recommended to ensure proper airflow.

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

Related Options

HP Modular Power Distribution Units (Zero-U/1U Modular PDUs) 100 - 127v 1Ø	2.8 kVA Modular PDU, 24A	252663-D71
HP Modular Power Distribution Units (Zero-U/1U Modular PDUs) 200 - 240v 1Ø	3.6 kVA Modular PDU, 16A 4.9 kVA Modular PDU, 24A 7.3 kVA Modular PDU, 32A 8.3 kVA Modular PDU, 40A	252663-B24 252663-D72 252663-B31 252663-B21
HP Monitored Power Distribution Units	<p>HP Monitored Power Distribution Unit: Full Rack Version</p> <p>HP 17.3 kVA S2324 Monitored PDU- dual input, 3Ø24A AF503A</p> <p>HP 8.6 kVA S1324 Monitored PDU- single input, 3Ø, 24A AF504A</p> <p>HP 16.6 kVA S2140 Monitored PDU- dual input, 1Ø, 40A AF505A</p> <p>HP 8.3 S1140 Monitored PDU- single input, 1Ø, 40A AF506A</p> <p>NOTE: "Ø" = number of electrical phases at input.</p> <p>HP Monitored Power Distribution Unit: Half Rack Version</p> <p>HP 17.3 kVA S348 Monitored PDU- single input, 3Ø, 48A AF916A</p> <p>HP 4.9 kVA S124 Monitored PDU- single input, 1Ø, 24A AF914A</p> <p>NOTE: "Ø" = number of electrical phases at input.</p>	
HP UPS R1500 G2	HP, R1.5kVA UPS, 1U	AF419A
HP UPS R3000 Uninterruptible Power System	HP R3000 VA UPS, 2U, L5-30 HP R3000 VA UPS, 2U, L6-20	AF422A AF423A
HP R/T3000 Uninterruptible Power System (UPS)	HP R/T3000 UPS, Low voltage HP R/T3000 UPS, High voltage	AF452A AF453A
HP Rack-Mountable R5500 UPS	HP R5500 VA UPS	AF426A
HP UPS R/T2200 G2 Models	HP R/T 2200 UPS	AF409A

Related Options

HP Parallel 3 Phase Uninterruptible Power Systems (UPS RP36000/3)	HP RP36000/3 Uninterruptible Power System	AF438A
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HP 1x4 USB/PS2 KVM Switch	HP 1x4 Server Console Switch	AF611A
	HP PS2 Server Console Cable, 6 foot, 2-Pack	AF612A
	HP USB Server Console Cable, 6 foot, 2-Pack	AF613A
	NOTE: USB cable required for supporting USB peripherals.	

HP KVM Switch Options	HP Server console switch 0x2x8	AF616A
	HP Server console switch 0x2x16	AF617A
	PS/2 Interface Adapter, 1-pack	262588-B21
	PS/2 Interface Adapter, 8-pack	262587-B21
	USB Interface Adapter, 1-pack	336047-B21
	Serial Interface Adapter, 1-pack with power supply	373035-B21
	HP TAA Server console switch 0x2x16	AF626A
	0x2x16 KVM Server Console G2 Switch with Virtual Media and CAC	AF618A
	0x2x32 KVM Server Console G2 Switch with Virtual Media and CAC	AF619A
	1x1Ex8 KVM IP Console Switch G2 with Virtual Media and CAC	AF620A
	2x1Ex16 KVM IP Console Switch G2 with Virtual Media and CAC	AF621A
	4x1Ex32 KVM IP Console Switch G2 with Virtual Media and CAC	AF622A
	PS2/USB Virtual Media, CAC Interface Adapter, 1 pack	AF624A
	NOTE: Requires PS/2 mouse and keyboard connections and one USB port on server.	
	USB Virtual Media, CAC Interface Adapter	AF623A
	HP KVM CNSL SRL/PWR G2 ITFC ADPTR	AF625A
	NOTE: VT100 True Serial.	
	NOTE: Cat5e cables are required to connect Interface Adapters to Console Switches. Cat5e cables can be found at the following URL: http://www.hp.com/go/kvm .	
	NOTE: For additional information regarding KVM switches, Serial Console servers, rack mount monitors, keyboards and all related options please see the following URL: http://www.hp.com/go/kvm .	

HP Serial Console Server Options	HP 16-Port Serial Console Server	AF101A
	HP 48-Port Serial Console Server	AF102A
	Serial Adapter, RJ45-DB9 DCE Female, 1 Pack	AF103A
	Serial Adapter, RJ45-DB9 DCE Female, 8 Pack	AF110A
	NOTE: Cat5e cables are required to connect Interface Adapters to Console Switches. Cat5e cables can be found at the following URL: http://www.hp.com/go/kvm .	

Service and Support Offerings (HP Care Pack Services)	Hardware Installation (Electronic)	U2871E
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Technical Specifications

10642 G2 Rack (42U)

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

10642 G2 1200mm Deep Rack (42U)

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

10636 G2 Rack (36U)

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

Technical Specifications

10622 G2 Rack (22U)

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

10842 G2 Rack (42U) Wide

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

10647 G2 Rack (47U)

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

Technical Specifications

10647 G2 200mm Ext Rack (47U)

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

Environment-friendly Products and Approach	End-of-life Management and Recycling	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 http://www.hp.com/go/green . To recycle your product, please go to: http://www.hp.com/go/green 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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