

Overview

Models

HP CA09 Notebook Battery - <i>New!</i>	E7U22AA
HP FP06 Notebook Battery	H6L26AA
HP FP09 Notebook Battery	H6L27AA
HP RA04 Notebook Battery	H6L28AA
HP FN04 Notebook Battery	QK648AA
HP JN04 Notebook Battery	QK650AA
HP JN06 Notebook Battery	QK651AA
HP PR06 Notebook Battery	QK646AA
HP MI06 Notebook Battery	H4A44AA
HP PR08 Notebook Battery	QK647AA
HP CC09 Notebook Battery	QK643AA
HP SX09 Notebook Battery	QK645AA
HP CA06XL Long Life Notebook Battery - <i>New!</i>	E7U21AA
HP CM03XLLong Life Notebook Battery	E7U24AA
HP C006XLLong Life Notebook Battery	E7U23AA
HP AR08XL Long Life Notebook Battery	E7U26AA
HP SB03XL Long Life Notebook Battery	E7U25AA
HP BT04XL Long Life Notebook Battery	H4Q47AA
HP BA06XL Long Life Notebook Battery	H4Q48AA
HP RC06XL Long Life Notebook Battery	H4Q46AA
HP MU06XL Long Life Notebook Battery	H0F74AA
HP OD06XL Long Life Notebook Battery	H6L25AA
HP CC06XL Long Life Notebook Battery	QK642AA
HP SX06XL Long Life Notebook Battery	QK644AA
HP VH08XL Long Life Notebook Battery	QK641AA
HP ST09 Extended Life Notebook Battery	QK639AA
HP BB09 Ultra Extended Life Notebook Battery	QK640AA

Compatibility

Please note that these batteries are only compatible with HP Business Notebooks that launch in February 2011 or later. If you need a battery for a 2010 or prior HP Business Notebook, please refer to the "HP Business Notebook Battery Solutions" QuickSpecs at <http://h18006.www1.hp.com/products/quickspecs/Division/Division.html#10751>.

NOTE: Not all models are available in all regions.

Overview

HP Notebook Batteries

Battery

HP CA09 Notebook Battery

HP FP06 Notebook Battery

HP FP09 Notebook Battery

HP RA04 Notebook Battery

HP FN04 Notebook Battery

HP JN04 Notebook Battery

HP JN06 Notebook Battery

HP PR06 Notebook Battery

HP MI06 Notebook Battery

HP PR08 Notebook Battery

HP CC09 Notebook Battery

HP SX09 Notebook Battery

HP Long Life Notebook Batteries

Battery

HP CA06XL Long Life Notebook Battery

HP CM03XL Long Life Notebook Battery

HP C006XL Long Life Notebook Battery

HP AR08XL Long Life Notebook Battery

HP SB03XL Long Life Notebook Battery

HP BT04XL Long Life Notebook Battery

HP BA06XL Long Life Notebook Battery

HP RC06XL Long Life Notebook Battery

MU06XL Long Life Notebook Battery

HP OD06XL Long Life Notebook Battery

HP CC06XL Long Life Notebook Battery

HP SX06XL Long Life Notebook Battery

HP VH08XL Long Life Notebook Battery

Compatible HP Business Notebook

- HP ProBook 640 G1, 645 G1, 655 G1, and 650 G1 Notebook PC
- HP ProBook 440, 445, 450, 455 and 470 Notebook PC
- HP ProBook 440, 445, 450, 455 and 470 Notebook PC
- HP ProBook 430 Notebook PC
- HP ProBook 5330m Notebook PC
- HP ProBook 4230s Notebook PC
- HP ProBook 4230s Notebook PC
- HP ProBook 4330s, 2011 or later HP ProBook 44XXs, 45XXs, and 47XXs Notebook PCs
- HP EliteBook 2170p Notebook PC
- HP ProBook 4730s and 4740s Notebook PC
- HP ProBook 6360t Mobile Thin Client
- HP ProBook 6360b, 6460b, 6470b, 6465b, 6475b, 6560b, 6570b, and 6565b Notebook PCs
- HP EliteBook 8460p, 8470p, 8560p, and 8570p Notebook PCs and 8460w and 8470w Mobile Workstations
- HP EliteBook 2560p and 2570p Notebook PC

Compatible HP Business Notebook

- HP ProBook 640 G1, 645 G1, 655 G1, and 650 G1 Notebook PC
- HP EliteBook 840, 850 G1 and HP ZBook 14 Mobile Workstation
- HP EliteBook 840 G1 Notebook PC and HP ZBook 14 Mobile Workstation
- HP ZBook 15 and 17 Mobile Workstations
- HP EliteBook 820 G1 Notebook PC
- HP EliteBook Folio 9470m Notebook PC
- HP EliteBook Folio 9470m Notebook PC
- HP ProBook 4340s and 4341s Notebook PCs
- HP 430, 431, 435, 436, 630, 631, 635, and 636 Notebook PCs
- HP EliteBook Revolve
- HP ProBook 6360t Mobile Thin Client
- HP ProBook 6360b, 6460b, 6470b, 6465b, 6475b, 6560b, 6570b, and 6565b Notebook PCs
- HP EliteBook 8460p, 8470p, and 8560p, and 8570p Notebook PCs and 8460w and 8470w Mobile Workstations
- HP EliteBook 2560p and 2570p Notebook PCs
- HP EliteBook 8560w, 8570w, 8760w, and 8770w Mobile Workstations

Overview

HP Extended Life and Ultra Extended Life Notebook Batteries

Battery

HP ST09 Extended Life Notebook Battery

Compatible HP Business Notebook

- HP ProBook 6360t Mobile Thin Client
- HP ProBook 6360b, 6460b, 6470b, 6465b, 6475b, 6560b, 6570b, and 6565b Notebook PCs
- HP EliteBook 8460p, 8470p, 8560p, and 8570p Notebook PCs and 8460w, 8470w, 8560w, 8570w, 8760w, and 8770w Mobile Workstations, ZBook 15, ZBook 17

HP BB09 Ultra Extended Life Notebook Battery

- HP ProBook 6360t Mobile Thin Client
- HP ProBook 6360b, 6460b, 6470b, 6465b, 6475b, 6560b, 6570b, and 6565b Notebook PCs
- HP EliteBook 8460p, 8470p, 8560p, and 8570p Notebook PCs and 8460w, 8470w, 8560w, 8570w, 8760w, and 8770w Mobile Workstations, ZBook 15, ZBook 17

Naming Convention

The batteries will use the following naming convention for easy identification and notebook platform compatibility:

CC	06	XL	Ultra	Extended	Long Life
Manufacturer code (marked on the original battery)	Cell count: 04 = 4 cell 06 = 6 cell 08 = 8 cell 09 = 9 cell	XL = long life Blank = standard life	Blank = standard life Ultra = max capacity travel battery	Blank = Primary Extended = secondary or "travel"	Long Life = three- year warranty (select models) Blank = one-year warranty

Technical Specifications

HP Notebook Batteries

Product	HP CA09 Notebook Battery
Product Number	E7U22AA
Weight	1.1lb, (.488kg)
Dimensions (H x W x L)	0.8 x 2.4 x 8.1in (2 x 6.6 x 20.5cm)
Cell Type	Lithium-Ion
Energy	
Voltage	11.25V
Amp-hour capacity	8.85Ah
Watt-hour capacity	100Wh
Temperature	
Operating (charging)	32° to 113° F (0° to 45° C)
Operating (discharging)	14° to 122° F(-10° to 50° C)
Non-operating	-4° to 122° F (-20° to 50° C)
Battery Recharge Time	
System in OFF or Standby Mode	3.5 to 5 hours
System ON	4 to 7 hours
Fuel Gauge LED	No
Warranty	One year

HP Notebook Batteries (continued)

Product	HP FN04 Notebook Battery	HP JN04 Notebook Battery	HP JN06 Notebook Battery	HP PR06 Notebook Battery
Product Number	QK648AA	QK650AA	QK651AA	QK646AA
Weight	0.64 lb (.287 kg)	.50 lb (.226 kg)	.72 lb (.323 kg)	.70 lb (.312 kg)
Dimensions (H x W x L)	0.4 x 3.8 x 8.6 in (0.8 x 9.5 x 21.8 cm)	0.8 x 2.0 x 8.1 in (2 x 5 x 20.5 cm)	0.8 x 2.0 x 8.1 in (2 x 5 x 20.5 cm)	0.8 x 1.8 x 10.4 in (2 x 4.5 x 26.5 cm)
Cell Type	Lithium-Ion Polymer	Lithium-Ion	Lithium-Ion	Lithium-Ion
Energy				
Voltage	14.8 V	14.8 V	11.1 V	10.8 V
Amp-hour capacity	2.8 Ah	2.8 Ah	5.6 Ah	4.4 Ah
Watt-hour capacity	41 Wh	41 Wh	62 Wh	47 Wh
Temperature				
Operating (charging)	32° to 113° F (0° to 45° C)			
Operating (discharging)	14° to 140° F(-10° to 60° C)			
Non-operating	-4° to 140° F (-20° to 60° C)			

Technical Specifications

Battery Recharge Time				
System in OFF or Standby Mode	3 hours	2.5 hours	2.5 hours	2.5 hours
System ON	3 to 5 hours	3 to 5 hours	3 to 5 hours	3 to 5 hours
Fuel Gauge LED	No	No	No	No
Integrated AC Power port	No	No	No	No
Optional Travel Battery Available	No	No	No	No
Warranty	One year	One year	One year	One year

HP Notebook Batteries (continued)

Product	HP MI06 Notebook Battery	HP PR08 Notebook Battery	HP CC09 Notebook Battery	HP SX09 Notebook Battery
Product Number	H4A44AA	QK647AA	QK643AA	QK645AA
Weight	.82 lb (.370 kg)	.94 lb (.423 kg)	1.1lb (.488 kg)	1.06 lb (.475 kg)
Dimensions (H x W x L)	0.59 x 2.2 x 8.7 in (1.5 x 5.7x 22 cm)	0.8 x 2.0 x 10.4 in (2 x 5 x 26.5 cm)	0.8 x 2.4 x 8.1in (2 x 6.6 x 20.5 cm)	1.6 x 2.0 x 8.1 in (4 x 5 x 20.5 cm)
Cell Type	Lithium-Ion	Lithium-Ion	Lithium-Ion	Lithium-Ion
Energy				
Voltage	11.1 V	14.4 V	11.25 V	11.25 V
Amp-hour capacity	4.4 Ah	5.1 Ah	8.85 Ah	8.85 Ah
Watt-hour capacity	48 Wh	73 Wh	100 Wh	100 Wh
Temperature				
Operating (charging)	32° to 113° F (0° to 45° C)			
Operating (discharging)	14° to 140° F(-10° to 60° C)			
Non-operating	-4° to 140° F (-20° to 60° C)			
Battery Recharge Time				
System in OFF or Standby Mode	2.5 hours	2.5 hours	3.5 to 5 hours	3.5 to 5 hours
System ON	3 to 5 hours	3 to 5 hours	4 to 7 hours	4 to 7 hours
Fuel Gauge LED	No	No	No	Yes
Integrated AC Power port	No	No	No	No
Optional Travel Battery Available	No	No	Yes	No
Warranty	One year	One year	One year	One year

HP Notebook Batteries (continued)

Technical Specifications

Product	HP RA04 Notebook Battery	HP FP06 Notebook Battery	HP FP09 Notebook Battery
Product Number	H6L28AA	H6L26AA	H6L27AA
Weight	0.5 lb (0.225 kg)	0.65 lb (0.295 kg)	1.078 lb (0.49 kg)
Dimensions (H x W x L)	0.85 x1.35 x10.91 in (2.18 x3.46 x27.72cm)	0.7722 x1.753 x 10.57 in (1.98 x 4.462 x 26.9 cm)	1.6 x1.95 x10.57 in (4.072 x 4.952 x 26.9 cm)
Cell Type	Lithium-Ion	Lithium-Ion	Lithium-Ion
Energy			
Voltage	14.8 V	10.8 V	11.1 V
Amp-hour capacity	2950 mAh	4400 mAh	8400 mAh
Watt-hour capacity	43.6 Wh	47 Wh	93 Wh
Temperature			
Operating (charging)	32° to 113° F (0° to 45° C)		
Operating (discharging)	14° to 122° F (-10° to 50° C)		
Non-operating	-4° to 122° F (-20° to 50° C)		
Battery Recharge Time			
System in OFF or Standby Mode	2.5 hours	2.5 hours	2.5 hours
System ON	3 to 5 hours	3 to 5 hours	3 to 5 hours
Fuel Gauge LED	No	No	No
Integrated AC Power port	No	No	No
Optional Travel Battery Available	No	No	No
Warranty	One year	One year	One year

HP Long Life Notebook Batteries

Product	HP CA06XL Long Life Notebook Battery
Product Number	E7U21AA
Weight	.70lb, (.313kg)
Dimensions (H x W x L)	0.8 x 1.8 x 8.0in (2.0 x 4.7 x 20.5cm)
Cell Type	Lithium-Ion
Energy	
Voltage	10.8V
Amp-hour capacity	5.1Ah
Watt-hour capacity	55Wh
Temperature	
Operating (charging)	32° to 113° F (0° to 45° C)

Technical Specifications

Operating (discharging)	14° to 122° F (-10° to 50° C)
Non-operating	-4° to 122° F (-20° to 50° C)
Battery Recharge Time	
System in OFF or Standby Mode	2.5 hours
System ON	3 to 5 hours
Fuel Gauge LED	No
Warranty	Three Years

HP Long Life Notebook Batteries (continued)

Product	HP CM03XL Long Life Notebook Battery	HP C006XL Long Life Notebook Battery
Product Number	E7U24AA	E7U23AA
Weight	.13 lb (.28kg)	.27 lb (.60 kg)
Dimensions (H x W x L)	.33 x 4.05 x 7.83 in .84 x 10.28 x 19.89 cm	.59 x 8.60 x 12.60 in 1.51 x 21.85 x 32.00 cm
Cell Type	Lithium-Ion Polymer	Lithium-Ion Polymer
Energy		
Voltage	11.1V	11.1V
Amp-hour capacity	4.504Ah	5.4Ah
Watt-hour capacity	50Wh	60Wh
Temperature		
Operating (charging)	32° to 113° F (0° to 45° C)	
Operating (discharging)	114° to 122° F (-10° to 60° C)	
Non-operating	-4° to 122° F (-20° to 60° C)	
Battery Recharge Time		
System in OFF or Standby Mode		
System ON		
Fuel Gauge LED	No	Yes
Integrated AC Power port		
Optional Travel Battery Available	No	Yes
Warranty	Three years	Three years

HP Long Life Notebook Batteries (continued)

Technical Specifications

Product	HP AR08XL Long Life Notebook Battery	HP SB03XL Long Life Notebook Battery
Product Number	E7U26AA	E7U25AA
Weight	.19 lb (.43 kg)	.11 lb (.25 kg)
Dimensions (H x W x L)	0.89 x 2.17 x 10.7 in (2.25 x 5.52 x 27.19 cm)	.51 x 3.85 x 7.47 in (1.29 x 9.78 x 18.97 cm)
Cell Type	Lithium-Ion	Lithium-Ion Polymer
Energy		
Voltage	14.4 V	11.1V
Amp-hour capacity	5.2 Ah	4.15Ah
Watt-hour capacity	75 Wh	46Wh
Temperature		
Operating (charging)	32° to 113° F (0° to 45° C)	
Operating (discharging)	14° to 140° F (-10° to 60° C)	
Non-operating	-4° to 140° F (-20° to 60° C)	
Battery Recharge Time		
System in OFF or Standby Mode		
System ON		
Fuel Gauge LED	No	No
Integrated AC Power port		
Optional Travel Battery Available	No	No
Warranty	Three years	Three years

HP Long Life Notebook Batteries (continued)

Technical Specifications

Product	HP BT04XL Long Life Notebook Battery	HP BA06XL Long Life Notebook Battery	HP RC06XL Long Life Notebook Battery
Product Number	H4Q47AA	H4Q48AA	H4Q46AA
Weight	.74 lb (.335 kg)	1.7 lb (.78 kg)	.71 lb (.323 kg)
Dimensions (H x W x L)	0.31 x 5.2 x 8.2 in (0.8 x 13.3x 20.7 cm)	0.28 x 12.6 x 8.4 in (0.7 x 32 x 21.3 cm)	0.8 x 1.8 x 8.0 in (2.0 x 4.7 x 20.5 cm)
Cell Type	Lithium-Ion	Lithium-Ion	Lithium-Ion
Energy			
Voltage	14.8 V	11.1V	10.8 V
Amp-hour capacity	3.52 Ah	2.7 Ah	4.8 Ah
Watt-hour capacity	52 Wh	60 Wh	51 Wh
Temperature			
Operating (charging)	32° to 113° F (0° to 45° C)		
Operating (discharging)	14° to 140° F (-10° to 60° C)		
Non-operating	-4° to 140° F (-20° to 60° C)		
Battery Recharge Time			
System in OFF or Standby Mode	2.5 hours	3.5 to 5 hours	2.5 hours
System ON	3 to 5 hours	4 to 7 hours	3 to 5 hours
Fuel Gauge LED	No	No	No
Integrated AC Power port	No	No	No
Optional Travel Battery Available	No	No	Yes
Warranty	Three years	Three years	Three years

HP Long Life Notebook Batteries (continued)

Technical Specifications

Product	HP MU06XL Long Life Notebook Battery	HP OD06XL Long Life Notebook Battery
Product Number	HOF74AA	H6L25AA
Weight	.71 lb (.320 kg)	.68 lb (.310 kg)
Dimensions (H x W x L)	0.8 x 2.0 x 8.1 in (2 x 5 x 20.5 cm)	1.11 x 28.1 x 10.3 cm
Cell Type	Lithium-Ion	Polymer
Energy		
Voltage	10.8 V	11.1 V
Amp-hour capacity	5.1 Ah	4.0 Ah
Watt-hour capacity	55 Wh	44 Wh
Temperature		
Operating (charging)	32° to 113° F (0° to 45° C)	32° to 113° F (0° to 45° C)
Operating (discharging)	14° to 140° F (-10° to 60° C)	14° to 122° F (-10° to 50° C)
Non-operating	-4° to 140° F (-20° to 60° C)	-4° to 122° F (-20° to 50° C)
Battery Recharge Time		
System in OFF or Standby Mode	2.5 hours	2.5 hours
System ON	3 to 5 hours	3 to 5 hours
Fuel Gauge LED	Yes	No
Integrated AC Power port	No	No
Optional Travel Battery Available	No	No
Warranty	Three years	Three years

HP Long Life Notebook Batteries (continued)

Technical Specifications

Product	HP CC06XL Long Life Notebook Battery	HP SX06XL Long Life Notebook Battery	HP VH08XL Long Life Notebook Battery
Product Number	QK642AA	QK644AA	QK641AA
Weight	.72 lb (.323 kg)	.71 lb (.323 kg)	99 lb (.442 kg)
Dimensions (H x W x L)	0.8 x 1.8 x 8.0 in (2.0 x 4.7 x 20.5 cm)	0.8 x 2.0 x 8.1 in (2 x 5 x 20.5 cm)	0.8 x 2.1 x 10.6 in (2 x 5.3 X 27 cm)
Cell Type	Lithium-Ion	Lithium-Ion	Lithium-Ion
Energy			
Voltage	10.8 V	10.8 V	14.4 V
Amp-hour capacity	5.1 Ah	5.1 Ah	5.1 Ah
Watt-hour capacity	55 Wh	55Wh	75 Wh
Temperature			
Operating (charging)	32° to 113° F (0° to 45° C)		
Operating (discharging)	14° to 140° F (-10° to 60° C)		
Non-operating	-4° to 140° F (-20° to 60° C)		
Battery Recharge Time			
System in OFF or Standby Mode	2.5 hours	2.5 hours	2.5 hours
System ON	3 to 5 hours	3 to 5 hours	3 to 5 hours
Fuel Gauge LED	No	Yes	No
Integrated AC Power port	No	No	No
Optional Travel Battery Available	No	Yes	Yes
Warranty	Three year	Three year	Three year

HP Extended Life and Ultra Extended Life Notebook Batteries

Technical Specifications

Product	HP ST09 Extended Life Notebook Battery	HP BB09 Ultra Extended Life Notebook Battery
Product Number	QK639AA	QK640AA
Weight	1.2 lb (.550 kg)	1.5 lb (.682 kg)
Dimensions (H x W x L)	1.2 x 6.1 x 12 in (3 x 15.5 x 30.5 cm)	1.2 x 5.9 x 11.4 in (3 x 15 x 29 cm)
Cell Type	Lithium-Ion Polymer	Lithium-Ion
Energy		
Voltage	11.1 V	11.25 V
Amp-hour capacity	6.6 Ah	8.85 Ah
Watt-hour capacity	73 Wh	100 Wh
Temperature		
Operating (charging)	32° to 113° F (0° to 45° C)	
Operating (discharging)	14° to 140° F (-10° to 60° C)	
Non-operating	-4° to 140° F (-20° to 60° C)	
Battery Recharge Time		
System in OFF or Standby Mode	3.5 to 5 hours	3.5 to 5 hours
System ON	4 to 7 hours	4 to 7 hours
Fuel Gauge LED	Yes	Yes
Integrated AC Power port	No	Yes
Optional Travel Battery Available	No	No
Warranty	One year	One year

For Battery time running on Windows 7

Battery life will vary depending on numerous factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See www.bapco.com for additional details.

For Battery time running on Windows 8

Testing conducted by HP consisting of full battery discharge while running a series of productivity scripts against the following applications (which may or may not be included with your particular product): Adobe® AcrobatReader 7.0, Adobe® Illustrator® CS2, Adobe® Photoshop® CS2, Apple® Quicktime 7.1, Intervideo® WinDVD® 8, Macromedia® Flash 8, Microsoft® Office® 2003 Pro, Microsoft® Project 2003, and Winzip® 10.0. Prior to testing, the system was fully charged and set to display brightness of 60 nits, auto dim disabled, wireless off, suspend and hibernate disabled and all other programs, utilities, and services not essential to running the computer system or battery life test. Battery life will vary depending on the product model, configuration, loaded applications, features, use, wireless functionality and power management settings.

Service and Support

Technical Specifications

The warranty period for HP Business Notebook batteries is one or three years (see table for specific product warranty), part replacement. Additional support is available (North America only) seven days a week, 24 hours a day by phone as well as through online support forums.

Spares Information

HP CA09 Notebook Battery	TBD
HP FP06 Notebook Battery	708457-001
HP FP09 Notebook Battery	708458-001
HP RA04 Notebook Battery	708459-001
HP FN04 Notebook Battery	635146-001
HP JN04 Notebook Battery	633801-001
HP JN06 Notebook Battery	633803-001
HP MI06 Notebook Battery	685988-001
HP PR06 Notebook Battery	633805-001
HP PR08 Notebook Battery	633807-001
HP CC09 Notebook Battery	631243-001
HP SX09 Notebook Battery	632423-001
HP CA06XL Long Life Notebook Battery	TBD
HP CM03XL Long Life Notebook Battery	717376-001
HP C006XL Long Life Notebook Battery	719796-001
HP AR08XL Long Life Notebook Battery	708455-001
HP SB03XL Long Life Notebook Battery	TBD
HP RC06 Long Life Battery	669831-001
HP BT04XL Long Life Notebook Battery	687945-001
HP BA06XL Long Life Notebook Battery	696621-001
HP RC06XL Long Life Notebook Battery	669831-001
HP MU06XL Long Life Notebook Battery	593555-001
HP OD06XL Battery	698943-001
HP CC06XL Long Life Notebook Battery	628670-001
HP SX06XL Long Life Notebook Battery	632419-001
HP VH08XL Long Life Notebook Battery	632425-001
HP ST09 Extended Life Notebook Battery	634089-001
HP BB09 Ultra Extended Life Notebook Battery	634087-001

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