

## Overview

### HP 2011 Business Notebook Battery Solutions

#### Models

HP FN04 Notebook Battery	QK648AA
HP JN04 Notebook Battery	QK650AA
HP JN06 Notebook Battery	QK651AA
HP PR06 Notebook Battery	QK646AA
HP GB06 Notebook Battery	XQ504AA
HP PR08 Notebook Battery	QK647AA
HP CC09 Notebook Battery	QK643AA
HPSX09 Notebook Battery	QK645AA
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/North\\_America/North\\_America.html#10751](http://h18006.www1.hp.com/products/quickspecs/North_America/North_America.html#10751).

**NOTE:** Not all models are available in all regions.

#### HP Notebook Batteries

Product	HP FN04 Notebook Battery	HP JN04 Notebook Battery	HP JN06 Notebook Battery	HP PR06 Notebook Battery	HP GB06 Notebook Battery
<b>Compatible Notebooks</b>	<ul style="list-style-type: none"> <li>HP ProBook 5330m Notebook PC</li> </ul>	<ul style="list-style-type: none"> <li>HP ProBook 4230s Notebook PC</li> </ul>	<ul style="list-style-type: none"> <li>HP ProBook 4230s Notebook PC</li> </ul>	<ul style="list-style-type: none"> <li>HP ProBook 4430s, 4431s, and 4530s Notebook PCs</li> </ul>	<ul style="list-style-type: none"> <li>HP 3105m Notebook PC</li> </ul>

Product	HP PR08 Notebook Battery	HP CC09 Notebook Battery	HP SX09 Notebook Battery
<b>Compatible Notebooks</b>	<ul style="list-style-type: none"> <li>HP ProBook 4730s Notebook PC</li> </ul>	<ul style="list-style-type: none"> <li>HP ProBook 6360t Mobile Thin Client</li> <li>HP ProBook 6360b, 6460b, 6465b, 6560b, and 6565b Notebook PCs</li> <li>HP EliteBook 8460p and 8560p Notebook PCs and 8460w Mobile Workstation</li> </ul>	<ul style="list-style-type: none"> <li>HP EliteBook 2560p Notebook PC</li> </ul>

#### HP Long Life, Extended Long Life, and Ultra Extended Long Life Notebook Batteries

Product	HP CC06XL Long Life Notebook	HP SX06XL Long Life Notebook	HP VH08XL Long Life Notebook	HP ST09 Extended Life	HP BB09 Ultra Extended Life
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<b>Compatible Notebooks</b>	<b>Battery</b>	<b>Battery</b>	<b>Battery</b>	<b>Notebook Battery</b>	<b>Notebook Battery</b>
	<ul style="list-style-type: none"> <li>HP ProBook 6360t Mobile Thin Client</li> <li>HP ProBook 6360b, 6460b, 6465b, 6560b, and 6465b Notebook PCs</li> <li>HP EliteBook 8460p and 8560p Notebook PCs and 8460w Mobile Workstation</li> </ul>	<ul style="list-style-type: none"> <li>HP EliteBook 2560p Notebook PC</li> </ul>	<ul style="list-style-type: none"> <li>HP EliteBook 8560w and 8760w Mobile Workstations</li> </ul>	<ul style="list-style-type: none"> <li>HP ProBook 6360t Mobile Thin Client</li> <li>HP ProBook 6360b, 6460b, 6465b, 6560b, and 6565b Notebook PCs</li> <li>HP EliteBook 8460p and 8560p Notebook PCs and 8460w, 8560w, and 8760w Mobile Workstations</li> </ul>	<ul style="list-style-type: none"> <li>HP ProBook 6360t Mobile Thin Client</li> <li>HP ProBook 6360b, 6460b, 6465b, 6560b, and 6565b Notebook PCs</li> <li>HP EliteBook 8460p and 8560p Notebook PCs and 8460w, 8560w, and 8760w Mobile Workstations</li> </ul>

## Naming Convention

The 2011 batteries will use the following naming convention for easy identification and notebook platform compatibility:

<b>CC</b>	<b>06</b>	<b>XL</b>	<b>Ultra</b>	<b>Extended</b>	<b>Long Life</b>
Manufacturer code (marked on the original battery)	Cell count: 03 = 3 cell* 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 Blank = one-year warranty

\*Available later in 2011

### contents

[Overview](#) [Technical Specifications](#)

## Technical Specifications

### HP Notebook Batteries

Product	HP FN04 Notebook Battery	HP JN04 Notebook Battery	HP JN06 Notebook Battery	HP PR06 Notebook Battery	HP GB06 Notebook Battery
<b>Product Number</b>	QK648AA	QK650AA	QK651AA	QK646AA	XQ504AA
<b>Weight</b>	0.64 lb (.287 kg)	.50 lb (.226 kg)	.72 lb (.323 kg)	.70 lb (.312 kg)	.73 lb (.333 kg)
<b>Dimensions (H x W x L)</b>	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)	0.9 x 2.5 x 8.1in (2.5 x 6.0 x 20.5 cm)
<b>Cell Type</b>	Lithium-Ion Polymer	Lithium-Ion	Lithium-Ion	Lithium-Ion	Lithium-Ion
<b>Energy</b>					
<b>Voltage</b>	14.8 V	14.8 V	11.1 V	10.8 V	10.8 V
<b>Amp-hour capacity</b>	2.8 Ah	2.8 Ah	5.6 Ah	4.4 Ah	5.1 Ah
<b>Watt-hour capacity</b>	41 Wh	41 Wh	62 Wh	47 Wh	55 Wh
<b>Temperature</b>					
<b>Operating (charging)</b>	32° to 113° F (0° to 45° C)				

<b>Operating (discharging)</b>	14° to 122° F (-10° to 50° C)				
<b>Non-operating</b>	-4° to 122° F (-20° to 50° C)				
<b>Battery Recharge Time</b>					
<b>System in OFF or Standby Mode</b>	3 hours	2.5 hours	2.5 hours	2.5 hours	2.5 hours
<b>System ON</b>	3 to 5 hours	3 to 5 hours	3 to 5 hours	3 to 5 hours	3 to 5 hours
<b>Fuel Gauge LED</b>	No	No	No	No	No
<b>Integrated AC Power port</b>	No	No	No	No	No
<b>Optional Travel Battery Available</b>	No	No	No	No	No
<b>Warranty</b>	One year	One year	One year	One year	One year

## HP Notebook Batteries

Product	HP PR08 Notebook Battery	HP CC09 Notebook Battery	HP SX09 Notebook Battery
<b>Product Number</b>	QK647AA	QK643AA	QK645AA
<b>Weight</b>	.94 lb (.423 kg)	1.1lb (.488 kg)	1.06 lb (.475 kg)
<b>Dimensions (H x W x L)</b>	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)
<b>Cell Type</b>	Lithium-Ion	Lithium-Ion	Lithium-Ion
<b>Energy</b>			
<b>Voltage</b>	14.4 V	11.25 V	11.25 V
<b>Amp-hour capacity</b>	5.1 Ah	8.85 Ah	8.85 Ah
<b>Watt-hour capacity</b>	73 Wh	100 Wh	100 Wh
<b>Temperature</b>			
<b>Operating (charging)</b>	32° to 113° F (0° to 45° C)		
<b>Operating (discharging)</b>	14° to 122° F (-10° to 50° C)		
<b>Non-operating</b>	-4° to 122° F (-20° to 50° C)		
<b>Battery Recharge Time</b>			
<b>System in OFF or Standby Mode</b>	2.5 hours	3.5 to 5 hours	3.5 to 5 hours
<b>System ON</b>	3 to 5 hours	4 to 7 hours	4 to 7 hours
<b>Fuel Gauge LED</b>	No	No	Yes
<b>Integrated AC Power port</b>	No	No	No
<b>Optional Travel Battery Available</b>	No	Yes	No
<b>Warranty</b>	One year	One year	One year

## HP Long Life, Extended Life, and Ultra Extended Life Notebook Batteries

Product	HP CC06XL Long Life Notebook Battery	HP SX06XL Long Life Notebook Battery	HP VH08XL Long Life Notebook Battery	HP ST09 Extended Life Notebook Battery	HP BB09 Ultra Extended Life Notebook Battery
<b>Product Number</b>	QK642AA	QK644AA	QK641AA	QK639AA	QK640AA
<b>Weight</b>	.72 lb (.323 kg)	.71 lb (.320 kg)	.99 lb (.442 kg)	1.2 lb (.550 kg)	1.5 lb (.682 kg)
<b>Dimensions (H x W x L)</b>	0.8 x 1.8 x 8.0in (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)	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)
<b>Cell Type</b>	Lithium-Ion	Lithium-Ion	Lithium-Ion	Lithium-Ion Polymer	Lithium-Ion

<b>Energy</b>					
<b>Voltage</b>	10.8 V	10.8 V	14.4 V	11.1 V	11.25 V
<b>Amp-hour capacity</b>	5.1 Ah	5.1 Ah	5.1 Ah	6.6 Ah	8.85 Ah
<b>Watt-hour capacity</b>	55 Wh	55 Wh	75 Wh	73 Wh	100 Wh
<b>Temperature</b>					
<b>Operating (charging)</b>	32° to 113° F (0° to 45° C)				
<b>Operating (discharging)</b>	14° to 122° F (-10° to 50° C)				
<b>Non-operating</b>	-4° to 122° F (-20° to 50° C)				
<b>Battery Recharge Time</b>					
<b>System in OFF or Standby Mode</b>	2.5 hours	2.5 hours	2.5 hours	3.5 to 5 hours	3.5 to 5 hours
<b>System ON</b>	3 to 5 hours	3 to 5 hours	3 to 5 hours	4 to 7 hours	4 to 7 hours
<b>Fuel Gauge LED</b>	No	Yes	No	Yes	Yes
<b>Integrated AC Power port</b>	No	No	No	No	Yes
<b>Optional Travel Battery Available</b>	Yes	No	Yes	No	No
<b>Warranty</b>	Three years	Three years	Three years	One year	One year

## Service and Support

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 FN04 Notebook Battery	635146-001
HP JN04 Notebook Battery	633801-001
HP JN06 Notebook Battery	633803-001
HP PR06 Notebook Battery	633805-001
HP GB06 Notebook Battery	628419-001
HP PR08 Notebook Battery	633807-001
HP CC09 Notebook Battery	631243-001
HP SX09 Notebook Battery	632423-001
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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