

### Technical Specifications

#### HP Business Notebook Battery Solutions

##### Models

###### HP Notebook Batteries

HP CA09 Notebook Battery	E7U22AA
HP FP06 Notebook Battery	H6L26AA
HP RA04 Notebook Battery	H6L28AA
HP HS04 Notebook Battery	M2Q95AA
HP R004 Notebook Battery	P3G13AA
P R104 Notebook Battery	P3G15AA
HP JC04 Rechargeable Battery	2LP34AA

###### HP Long Life Notebook Batteries

HP DB06XL Long Life Notebook Battery	M0A68AA
HP CA06XL Long Life Notebook Battery	E7U21AA
HP CM03XL Long Life Notebook Battery	E7U24AA
HP C006XL Long 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 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 R106XL Long Life Notebook Battery	P3G16AA
HP CS03XL Rechargeable Battery	T7B32AA
HP C103XL Rechargeable Battery	T7B31AA
HP SN03XL Rechargeable Battery	T7B33AA
HP AA06XL Rechargeable Battery	Z3R03AA
HP ST03XL Rechargeable Battery	1FN05AA
HP TA03XL Rechargeable Battery	1FN06AA
HP R106XL Long Life Notebook Battery	P3G16AA
HP C103XL Rechargeable Battery	T7B31AA
HP CS03XL Rechargeable Batter	T7B32AA
HP SN03XL Rechargeable Battery	T7B33AA
HP AA060XL Rechargeable Battery	Z3R03AA
HP ST03XL Rechargeable Battery	1FN05AA
HP TA03XL Rechargeable Battery	1FN06AA

### Technical Specifications

#### Compatibility

NOTE: Not all models are available in all regions.

#### HP Notebooks Batteries

##### Battery

**HP CA09 Notebook Battery**

**HP FP06 Notebook Battery**

**HP RA04 Notebook Battery**

**HP CC09 Notebook Battery**

**HP SX09 Notebook Battery**

**HP HS04 Notebook Battery**

**HP R004 Notebook Battery**

**HP RI04 Notebook Battery**

**HP JC04 Rechargeable 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 430 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, 8460w and 8470w Mobile Workstations
- HP EliteBook 2560p and 2570p Notebook PC
- HP 240, 245, 250, 255 G4 Notebook PC
- HP 430 G3, 440 G3 Notebook PC
- HP 450 G3, 470 G3 Notebook PC
- HP 240, 245, 250, 255 G6 Notebook PC

#### HP Long Life Notebook Batteries

##### Battery

**HP DB06XL Long Life Notebook 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 OD06XL Long Life Notebook Battery**

**HP CC06XL Long Life Notebook Battery**

**HP SX06XL Long Life Notebook Battery**

**HP VH08XL Long Life Notebook Battery**

**HP RI06XL Long Life Notebook Battery**

**HP CS03XL Rechargeable Battery**

**HP CI03XL Rechargeable Battery**

**HP SNOXL Rechargeable Battery**

**HP AA06XL Rechargeable Battery**

**HP ST03XL Rechargeable Battery**

**HP TA03XL Rechargeable Battery**

##### Compatible HP Business Notebook

- HP ProBook 11 EE
- HP ProBook 640 G1, 645 G1, 655 G1 and 650 G1 Notebook PC
- HP EliteBook 745 G2, 755 G2, 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 725 G2 and 820 G1 Notebook PC
- HP EliteBook Folio 9470m Notebook PC
- 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, 8460w and 8470w Mobile Workstations
- HP EliteBook 2560p and 2570p Notebook PCs
- HP EliteBook 8560w, 8570w, 8760w and 8770w Mobile Workstations
- HP 450 G3, 470 G3 Notebook PC
- HP 745, 755, 840 and 850 G3 Notebook PCs
- HP 640 and 650 G2 Notebook PCs
- HP 725 G3 and 820 G3 Notebook PCs
- HP ZBook 17 G3 and ZBook 17 G4 Mobile Workstations
- HP 820/720 G4 Series
- HP 800/700 G4 Series

### Technical Specifications

#### Naming Convention

The 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: 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

<b>Product</b>	<b>HP CA09 Notebook Battery</b>
<b>Product Number</b>	E7U22AA
<b>Weight</b>	1.1lb, (.488kg)
<b>Dimensions</b> (H x W x L)	0.8 x 2.4 x 8.1in (2 x 6.6 x 20.5cm)
<b>Cell Type</b>	Lithium-Ion
<b>Energy</b>	
<b>Voltage</b>	11.25V
<b>Amp-hour capacity</b>	8.85Ah
<b>Watt-hour capacity</b>	100Wh
<b>Temperature</b>	
<b>Operating</b> (charging)	32° to 113° F (0° to 45° C)
<b>Operating</b> (discharging)	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>	Fast charge to 90% within 90 minutes, last 10% at trickle charge, (trickle time varies by notebook)
<b>System in OFF or Standby Mode</b>	3.5 to 5 hours
<b>System ON</b>	4 to 7 hours
<b>Fuel Gauge LED</b>	No
<b>Warranty</b>	One year

<b>Product</b>	<b>HP FP06 Notebook Battery</b>
<b>Product Number</b>	H6L26AA
<b>Weight</b>	0.65 lb (0.295 kg)
<b>Dimensions</b> (H x W x L)	0.7722 x 1.753 x 10.57 in (1.98 x 4.462 x 26.9 cm)
<b>Cell Type</b>	Lithium-Ion
<b>Energy</b>	
<b>Voltage</b>	10.8 V
<b>Amp-hour capacity</b>	4400 mAh
<b>Watt-hour capacity</b>	47 Wh
<b>Temperature</b>	Fast charge to 90% within 90 minutes, last 10% at trickle charge, (trickle time varies by notebook)
<b>Operating</b> (charging)	32° to 113° F (0° to 45° C)
<b>Operating</b> (discharging)	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
<b>System ON</b>	3 to 5 hours
<b>Fuel Gauge LED</b>	No

### Technical Specifications

<b>Integrated AC Power port</b>	No
<b>Optional Travel Battery Available</b>	No
<b>Warranty</b>	One year

<b>Product</b>	<b>HP MI06 Notebook Battery</b>
<b>Product Number</b>	H4A44AA
<b>Weight</b>	.82 lb (.370 kg)
<b>Dimensions (H x W x L)</b>	0.59 x 2.2 x 8.7 in (1.5 x 5.7 x 22 cm)
<b>Cell Type</b>	Lithium-Ion
<b>Energy</b>	
<b>Voltage</b>	11.1 V
<b>Amp-hour capacity</b>	4.4 Ah
<b>Watt-hour capacity</b>	48 Wh
<b>Temperature</b>	
<b>Operating (charging)</b>	32° to 113° F (0° to 45° C)
<b>Operating (discharging)</b>	14° to 140° F (-10° to 60° C)
<b>Non-operating</b>	-4° to 140° F (-20° to 60° C)
<b>Battery Recharge Time</b>	Fast charge to 90% within 90 minutes, last 10% at trickle charge, (trickle time varies by notebook)
<b>System in OFF or Standby Mode</b>	2.5 hours
<b>System ON</b>	3 to 5 hours
<b>Fuel Gauge LED</b>	No
<b>Integrated AC Power port</b>	No
<b>Optional Travel Battery Available</b>	No
<b>Warranty</b>	One year

<b>Product</b>	<b>HP HS04 Notebook Battery</b>
<b>Product Number</b>	M2Q95AA
<b>Weight</b>	225 g-(0.49 lb)
<b>Dimensions (H x W x L)</b>	273 X 34.72 X 20.8 mm (10.74 x 1.36 x 0.81 in)
<b>Cell Type</b>	INR18650 C4
<b>Energy</b>	10.4W
<b>Voltage</b>	14.6V
<b>Amp-hour capacity</b>	2.85Ah
<b>Watt-hour capacity</b>	41Wh
<b>Temperature</b>	

### Technical Specifications

<b>Operating (charging)</b>	0°~45°C
<b>Operating (discharging)</b>	-10°~60°C
<b>Non-operating</b>	-20~60°C
<b>Battery Recharge Time</b>	
<b>System in OFF or Standby Mode</b>	TBD
<b>System ON</b>	TBD
<b>Fuel Gauge LED</b>	N/A
<b>Integrated AC Power port</b>	TBD
<b>Warranty</b>	One year
<b>Kit Contents</b>	Battery, Warranty card, Product notices

<b>Product</b>	<b>HP R004 Notebook Battery</b>
<b>Product Number</b>	P3G13AA
<b>Weight</b>	0.72lb (0.32 kg)
<b>Dimensions (H x W x L)</b>	1.38 x 10.91 x 0.85 in (3.49 x 27.72 x 2.16 cm)
<b>Cell Type</b>	4 cell Lithium-Ion
<b>Energy</b>	
<b>Voltage</b>	14.8V
<b>Amp-hour capacity</b>	3.0Ah
<b>Watt-hour capacity</b>	44Wh
<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 60° C)
<b>Non-operating</b>	-4° to 122° F (-20° to 60° C)
<b>Battery Recharge Time</b>	
<b>System in OFF or Standby Mode</b>	<3 hours
<b>Fuel Gauge LED</b>	No
<b>Warranty</b>	One year
<b>Optional Travel Battery Available</b>	No

<b>Product</b>	<b>HP R104 Notebook Battery</b>
<b>Product Number</b>	P3G15AA
<b>Weight</b>	0.66 lb (0.3 kg)
<b>Dimensions (H x W x L)</b>	1.32 x 10.86 x 0.81 in (3.34 x 27.58 x 2.06 cm)
<b>Cell Type</b>	4 cell Lithium-Ion
<b>Energy</b>	

### Technical Specifications

<b>Voltage</b>	14.8V
<b>Amp-hour capacity</b>	3.0Ah
<b>Watt-hour capacity</b>	44Wh
<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 60° C)
<b>Non-operating</b>	-4° to 122° F (-20° to 60° C)
<b>Battery Recharge Time</b>	
<b>System in OFF or Standby Mode</b>	<3 hours
<b>Fuel Gauge LED</b>	No
<b>Warranty</b>	One year
<b>Optional Travel Battery Available</b>	No

<b>Product</b>	<b>HP JC04 Rechargeable Battery</b>
<b>Product Number</b>	2LP34AA
<b>Weight</b>	225g
<b>Dimensions (H x W x L)</b>	21x33.9x274
<b>Cell Type</b>	Li-ion
<b>Voltage</b>	14.6V
<b>Amp-hour capacity</b>	2850mAh
<b>Watt-hour capacity</b>	41.6Wh
<b>Operating Temperature (charging)</b>	0~ 45' C
<b>Battery Recharge Time</b>	Fast charge to 90% within 90 minutes, last 10% at trickle charge, (trickle time varies)
<b>Operating (discharging)</b>	-10~60' C
<b>Non-operating</b>	-20~60°(Max : 1 month) -20~45°(Max : 3 months) -20~30°(Max : 6months)
<b>Fuel Gauge LED</b>	No
<b>Warranty</b>	1 year

### Technical Specifications

#### HP Long Life Notebook Batteries

Product	HP DB06XL Long Life Notebook Battery
Product Number	796931-141, 796931-121
Weight	348g+/-10g
Dimensions (H x W x L)	37.22 x 49.77 x 216.56mm
Cell Type	SDI ICR18650-32A LGC 18650E1 (Express Charge)
Energy	
Voltage	11.1V
Amp-hour capacity	Typical 5.8Ah Mini 5.6Ah
Watt-hour capacity	Typical 64Wh Mini 62Wh
Temperature	
Operating (charging)	0°C~ 45°C
Operating (discharging)	-10°C~ 60°C
Non-operating	1 year: -20~20°C 3 months: -20~45°C 1 month: -20~60 °C
Battery Recharge Time	TBD
System in OFF or Standby Mode	TBD
System ON	TBD
Fuel Gauge LED	No
Warranty	3 years

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)
Operating (discharging)	14° to 122° F (-10° to 50° C)
Non-operating	-4° to 122° F (-20° to 50° C)
Battery Recharge Time	Fast charge to 90% within 90 minutes, last 10% at trickle charge, (trickle time varies by notebook)
System in OFF or Standby Mode	2.5 hours
System ON	3 to 5 hours
Fuel Gauge LED	No



### Technical Specifications

<b>Warranty</b>	Three Years
-----------------	-------------

<b>Product</b>	<b>HP CM03XL Long Life Notebook Battery</b>	<b>HP C006XL Long Life Notebook Battery</b>
<b>Product Number</b>	E7U24AA	E7U23AA
<b>Weight</b>	.13 lb (.28kg)	.27 lb (.60 kg)
<b>Dimensions</b> (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
<b>Cell Type</b>	Lithium-Ion Polymer	Lithium-Ion Polymer
<b>Energy</b>		
<b>Voltage</b>	11.1V	11.1V
<b>Amp-hour capacity</b>	4.504Ah	5.4Ah
<b>Watt-hour capacity</b>	50Wh	60Wh
<b>Temperature</b>		
<b>Operating (charging)</b>	32° to 113° F (0° to 45° C)	
<b>Operating (discharging)</b>	114° to 122° F (-10° to 60° C)	
<b>Non-operating</b>	-4° to 122° F (-20° to 60° C)	
<b>Battery Recharge Time</b>		
<b>System in OFF or Standby Mode</b>		
<b>System ON</b>		
<b>Fuel Gauge LED</b>	No	Yes
<b>Integrated AC Power port</b>		
<b>Optional Travel Battery Available</b>	No	Yes
<b>Warranty</b>	Three years	Three years
<b>Kit Contents</b>		Battery and 4.5mm-7.4 mm power dongle

<b>Product</b>	<b>HP AR08XL Long Life Notebook Battery</b>	<b>HP SB03XL Long Life Notebook Battery</b>
<b>Product Number</b>	E7U26AA	E7U25AA
<b>Weight</b>	.19 lb (.43 kg)	.11 lb (.25 kg)
<b>Dimensions</b> (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)
<b>Cell Type</b>	Lithium-Ion	Lithium-Ion Polymer
<b>Energy</b>		
<b>Voltage</b>	14.4 V	11.1V
<b>Amp-hour capacity</b>	5.2 Ah	4.15Ah
<b>Watt-hour capacity</b>	75 Wh	46Wh
<b>Temperature</b>		
<b>Operating (charging)</b>	32° to 113° F (0° to 45° C)	
<b>Operating (discharging)</b>	14° to 140° F (-10° to 60° C)	
<b>Non-operating</b>	-4° to 140° F (-20° to 60° C)	

### Technical Specifications

<b>Battery Recharge Time</b>	Fast charge to 90% within 90 minutes, last 10% at trickle charge, (trickle time varies by notebook)	
<b>System in OFF or Standby Mode</b>		
<b>System ON</b>		
<b>Fuel Gauge LED</b>	No	No
<b>Integrated AC Power port</b>		
<b>Optional Travel Battery Available</b>	No	No
<b>Warranty</b>	Three years	Three years

<b>Product</b>	<b>HP BT04XL Long Life Notebook Battery</b>	
<b>Product Number</b>	H4Q47AA	
<b>Weight</b>	.74 lb (.335 kg)	
<b>Dimensions (H x W x L)</b>	0.31 x 5.2 x 8.2 in (0.8 x 13.3x 20.7 cm)	
<b>Cell Type</b>	Lithium-Ion	
<b>Energy</b>		
<b>Voltage</b>	14.8 V	
<b>Amp-hour capacity</b>	3.52 Ah	
<b>Watt-hour capacity</b>	52 Wh	
<b>Temperature</b>		
<b>Operating (charging)</b>	32° to 113° F (0° to 45° C)	
<b>Operating (discharging)</b>	14° to 140° F (-10° to 60° C)	
<b>Non-operating</b>	-4° to 140° F (-20° to 60° C)	
<b>Battery Recharge Time</b>	Fast charge to 90% within 90 minutes, last 10% at trickle charge, (trickle time varies by notebook)	
<b>System in OFF or Standby Mode</b>	2.5 hours	
<b>System ON</b>	3 to 5 hours	
<b>Fuel Gauge LED</b>	No	
<b>Integrated AC Power port</b>	No	
<b>Optional Travel Battery Available</b>	No	
<b>Warranty</b>	Three years	

<b>Product</b>	<b>HP OD06XL Long Life Notebook Battery</b>	
<b>Product Number</b>	H6L25AA	
<b>Weight</b>	.68 lb (.310 kg)	
<b>Dimensions (H x W x L)</b>	1.11 x 28.1 x 10.3 cm	
<b>Cell Type</b>	Polymer	
<b>Energy</b>		
<b>Voltage</b>	11.1 V	
<b>Amp-hour</b>	4.0 Ah	

### Technical Specifications

<b>capacity</b>	
<b>Watt-hour capacity</b>	44 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
<b>System ON</b>	3 to 5 hours
<b>Fuel Gauge LED</b>	No
<b>Integrated AC Power port</b>	No
<b>Optional Travel Battery Available</b>	No
<b>Warranty</b>	Three years

Product	HP CC06XL Long Life Notebook Battery	HP SX06XL Long Life Notebook Battery	HP VH08XL Long Life Notebook Battery
<b>Product Number</b>	QK642AA	QK644AA	QK641AA
<b>Weight</b>	.72 lb (.323 kg)	.71 lb (.323 kg)	99 lb (.442 kg)
<b>Dimensions (H x W x L)</b>	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)
<b>Cell Type</b>	Lithium-Ion	Lithium-Ion	Lithium-Ion
<b>Energy</b>			
<b>Voltage</b>	10.8 V	10.8 V	14.4 V
<b>Amp-hour capacity</b>	5.1 Ah	5.1 Ah	5.1 Ah
<b>Watt-hour capacity</b>	55 Wh	55Wh	75 Wh
<b>Temperature</b>			
<b>Operating (charging)</b>	32° to 113° F (0° to 45° C)		
<b>Operating (discharging)</b>	14° to 140° F (–10° to 60° C)		
<b>Non-operating</b>	–4° to 140° F (–20° to 60° C)		
<b>Battery Recharge Time</b>	Fast charge to 90% within 90 minutes, last 10% at trickle charge, (trickle time varies by notebook)		
<b>System in OFF or Standby Mode</b>	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
<b>Fuel Gauge LED</b>	No	Yes	No
<b>Integrated AC Power port</b>	No	No	No
<b>Optional Travel Battery Available</b>	No	Yes	Yes

### Technical Specifications

<b>Warranty</b>	Three year	Three year	Three year
<b>Product</b>	<b>HP R106XL Long Life Notebook Battery</b>		
<b>Product Number</b>	P3G16AA		
<b>Weight</b>	.73 lb (.33 kg)		
<b>Dimensions (H x W x L)</b>	1.79 x 10.56 x 1.33 in (4.55 x 27.58 x 3.38 cm)		
<b>Cell Type</b>	6-cell lithium-ion		
<b>Energy</b>			
<b>Voltage</b>	10.68V		
<b>Amp-hour capacity</b>	5.15Ah		
<b>Watt-hour capacity</b>	55Wh		
<b>Temperature</b>			
<b>Operating (charging)</b>	32° to 113° F (0° to 45° C)		
<b>Operating (discharging)</b>	14 to 140° F (-10° to 60° C)		
<b>Non-operating</b>			
<b>Battery Recharge Time</b>	-4° to 140° F (-20° to 60° C)		
<b>System in OFF or Standby Mode</b>	3 hours		
<b>System ON</b>	3 -5 hours		
<b>Fuel Gauge LED</b>	N/A		
<b>Warranty</b>	Three years		
<b>Optional Travel Battery Available</b>	No		

<b>Product</b>	<b>HP C103XL Rechargeable Battery</b>	<b>HP C503XL Rechargeable Battery</b>	<b>HP S103XL Rechargeable Battery</b>
<b>Product Number</b>	T7B31AA	T7B32AA	T7B33AA
<b>Weight</b>	0.539 lb (0.245 kg)	0.48 lb (.217kg)	0.47 lb (0.2213 kg)
<b>Dimensions (H x W x L)</b>	0.59 x 3.18 x 6.68 in (15.05 x 81.00 x 169.70 mm)	0.27 x 7.8 x 4.05 in (6.8mm x 198.1 x 102.9mm)	0.16 x 4.7 x 6.3 in (6.80 x 119.55 x 160.25 mm)
<b>Cell Type</b>	3 cell Lithium-Ion	3 cell Lithium-Ion	3 cell Lithium-Ion
<b>Energy</b>			
<b>Voltage</b>	11.4V	11.4V	11.4V
<b>Amp-hour capacity</b>	4.21Ah	4.08Ah	3.91 Ah
<b>Watt-hour capacity</b>	48 Whr	46.5Whr	44.5 WHr
<b>Temperature</b>			
<b>Operating (charging)</b>	0~45°C		

### Technical Specifications

<b>Operating</b> (discharging)	-10~60°C		
<b>Non-operating</b>			
<b>Battery Recharge Time</b>			
<b>System in OFF or Standby Mode</b>	System off within 3 hours	System off within 3 hours	System off within 3 hours
<b>System ON</b>	System on need system side EE/Power to confirm		
<b>Fuel Gauge LED</b>	N/A	N/A	N/A
<b>Integrated AC Power port</b>	N/A	N/A	N/A
<b>Optional Travel Battery Available</b>	N/A	N/A	N/A
<b>Warranty</b>	3 years	3 years	3 years

<b>Product</b>	<b>HP AA060XL Rechargeable Battery</b>
<b>Product Number</b>	Z3R03AA
<b>Weight</b>	0.47kg
<b>Dimensions</b> (H x W x L)	17.4 x 109.55x 185.55mm ( 0.69 x 4.31 x 7.31inch
<b>Cell Type</b>	Li-ion
<b>Energy</b>	
<b>Voltage</b>	11.4Vdc
<b>Amp-hour capacity</b>	8420mAh
<b>Watt-hour capacity</b>	96Wh
<b>Temperature</b>	
<b>Operating</b> (charging)	0 ~ 45degC
<b>Operating</b> (discharging)	-10 ~ 60degC
<b>Non-operating</b>	
<b>Battery Recharge Time</b>	
<b>System in OFF or Standby Mode</b>	3 Hr
<b>System ON</b>	Need check with system side EE.
<b>Fuel Gauge LED</b>	No
<b>Warranty</b>	3 year

<b>Product</b>	<b>HP ST03XL Rechargeable Battery</b>
<b>Product Number</b>	1FN05AA
<b>Weight</b>	225g
<b>Dimensions</b> (H x W x L)	120x160x8.1
<b>Cell Type</b>	3 cell Lithium-Ion
<b>Energy</b>	
<b>Voltage</b>	11.55V
<b>Amp-hour capacity</b>	4.2Ahr

### Technical Specifications

<b>Watt-hour capacity</b>	49Whr
<b>Temperature</b>	
<b>Operating (charging)</b>	0°C~ 50°C
<b>Battery Recharge Time</b>	
<b>Operating (discharging)</b>	-10°C~ 60°C
<b>System in OFF or Standby Mode</b>	shipping mode
<b>System ON</b>	T.B.D
<b>Warranty</b>	3 years

<b>Product</b>	<b>HP ST03XL Rechargeable Battery</b>
<b>Product Number</b>	1FN05AA
<b>Weight</b>	225g
<b>Dimensions (H x W x L)</b>	120x160x8.1
<b>Cell Type</b>	3 cell Lithium-Ion
<b>Energy</b>	
<b>Voltage</b>	11.55V
<b>Amp-hour capacity</b>	4.2Ahr
<b>Watt-hour capacity</b>	49Whr
<b>Temperature</b>	
<b>Operating (charging)</b>	0°C~ 50°C
<b>Battery Recharge Time</b>	
<b>Operating (discharging)</b>	-10°C~ 60°C
<b>System in OFF or Standby Mode</b>	shipping mode
<b>System ON</b>	T.B.D
<b>Warranty</b>	3 years

<b>Product</b>	<b>HP TA03XL Rechargeable Battery</b>
<b>Product Number</b>	1FN06AA
<b>Weight</b>	220g
<b>Dimensions (H x W x L)</b>	102x198x6.8mm
<b>Cell Type</b>	3 cell Lithium-Ion
<b>Energy</b>	

### Technical Specifications

<b>Voltage</b>	11.55V
<b>Amp-hour capacity</b>	4.4Ahr
<b>Watt-hour capacity</b>	51Whr
<b>Temperature</b>	
<b>Operating (charging)</b>	0°C~ 50°C
<b>Battery Recharge Time</b>	
<b>Operating (discharging)</b>	-10°C~ 60°C
<b>System in OFF or Standby Mode</b>	2.25 hrs recharge to 100%
<b>System ON</b>	T.B.D
<b>Warranty</b>	3 years

#### For Battery time running on Windows 10

Windows 10/MM14 battery life will vary depending on various 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](http://www.bapco.com) for additional details.

### Technical Specifications

#### Spares Information

HP DB06XL Long Life Notebook Battery	797430-001
HP CA09 Notebook Battery	718757-001
HP FP06 Notebook Battery	708457-001
HP FP09 Notebook Battery	708458-001
HP RA04 Notebook Battery	708459-001
HP CC09 Notebook Battery	631243-001
HP SX09 Notebook Battery	632423-001
HP CA06XL Long Life Notebook Battery	760604-001
HP HS04 Notebook Battery	807957-001
HP CM03XL Long Life Notebook Battery	717376-001
HP CO06XL Long Life Notebook Battery	719796-001
HP AR08XL Long Life Notebook Battery	708455-001
HP SB03XL Long Life Notebook Battery	717378-001
HP BT04XL Long Life Notebook Battery	687945-001
HP OD06XL Long Life Notebook 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

#### 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.

© Copyright 2018 HP Development Company, L.P.

The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Date of change:	Version 1 to 2		Description of change:
May 8, 2014	v 27	Added	New batteries specs 0A04, LA04 and KP06
June 27, 2014	V28	Changed	Order of some specs, removed long life from KP06 and 700 Series to compatibility section
July 1, 2014	V29	Updated	Updated TBD in spare parts to part numbers
February 8, 2015	V29 to V30	Added	HP DB06XL Long Life Notebook Battery
March 10, 2015	V30 to V31	Added	New HS04 Notebook Battery (200 Series Battery)
September 25, 2015	V31 to V32	Added	New batteries part numbers P3G13AA, P3G14AA, P3G15AA, and P3G16AA
		Removed	HP FP09 Notebook Battery H6L27AA Removed Windows 7 and Windows 8.1 battery footnote and added Windows 10 footnote
March 16, 2016	V32 to V33	Added	Three new batteries and specs: HP CS03XL Rechargeable Battery T7B32AA HP CI03XL Rechargeable Battery T7B31AA HP SN03XL Rechargeable Battery T7B33AA



### Summary of Changes

October 18, 2016	V33 to V34	Added	HP AA060XL Rechargeable Battery Z3R03AA It was added its Specs and Compatibility as well
December 16, 2016	V34 to V35	Added	HP ST03XL Rechargeable Battery 1FN05AA & HP TA03XL 1FN06AA Rechargeable Battery were added their Specs and Compatibility as well
June 30, 2017	V35 to V36	Updated	Name of file updated 2012-2017, HP JC04 Rechargeable Battery added in Models, Compatibility and product specifications
July 26, 2017	V36 to V37	Updated	Extended life batteries removed, several batteries removed
August 28, 2017	V37 to V38	Update	Seven batteries and specs added: HP RI06XL Long Life Notebook Battery HP CI03XL Rechargeable Battery HP CS03XL Rechargeable Batter HP SN03XL Rechargeable Battery HP AA060XL Rechargeable Battery HP ST03XL Rechargeable Battery HP TA03XL Rechargeable Battery
July 31, 2018	V38 to V39	Added	General refresh