

Valve Regulated (Sealed) Lead-Acid



LC Series

Model Number ¹	Nominal Voltage (V)	Rated Capacity (Ah) (20 hour rate)	Usage ² Main or Standby Power Supplies	Expected Trickle Life (years) at 20 °C	Dimensions (mm)			
					Length	Width	Height	Approx. Total Height
LC-R061R3P	6	1.3	Main and Standby	6 – 9 years	97	24	50	55
LC-R063R4P		3.4			134	34	60	66
LC-R064R5P		4.5			70	48	102	108
LC-R067R2P		7.2	Standby	10 – 12 years	151	50	94	100
LC-P067R2P		12		6 – 9 years				
LC-R0612P				10 – 12 years				
LC-P0612P		15	Main and Standby	6 – 9 years	407	173	210	250
LC-R0615P		200	Standby	10 – 12 years				
LC-X06200		12	1.3	Main and Standby	6 – 9 years	97	47.5	50
LC-R121R3P	2.2		Standby	10 – 12 years	177	34	60	66
LC-R122R2P								
LC-P122R2P	3.4		Main and Standby	6 – 9 years	134	67	102	108
LC-R123R4P								
LC-P123R4P	4.5		Main and Standby	6 – 9 years	70	97	167	167
LC-R124R5P								
LC-R127R2P	7.2		Standby	10 – 12 years	181	76	175	179.5/175
LC-P127R2P								
LC-RA1212P	12		Main and Standby	6 – 9 years	151	98	94	100
LC-PA1212P1			Standby	10 – 12 years				
LC-CA1212P	15		Main	–	195.6	130	155	180
LC-RA1215P			Main and Standby	6 – 9 years				
LC-CA1215P1	16 ⁴		Main	–	197	165	175	180/175
LC-R12EB12P1			Main and Standby	6 – 9 years				
LC-XD1217P/AP ⁵	17		Standby	10 – 12 years	350	166	200	236
LC-X1220P/AP ⁵	20		Main and Standby	10 – 12 years				
LC-XC1222AP	22		Main	–	304	171	210	236
LC-X1224P/AP	24		Standby	10 – 12 years				
LC-X1228P/AP	28		Main	–	407	173	210	236
LC-XC1228P								
LC-R1233P	33		Main and Standby	6 – 9 years	195.6	130	155	180
LC-V1233P								
LC-X1238P/AP	38		Standby	10 – 12 years	197	165	175	180/175
LC-XC1238P								
LC-X1242P/AP ⁵	42		Main	–	350	166	200	236
LC-X1265P								
LC-X1275P ⁵	75		Standby	10 – 12 years	304	171	210	236
LC-XB12100P ⁵								
LC-X12120P	120	Main and Standby	6 – 9 years	407	173	210	236	

¹ Contact Panasonic for the country of origin on each battery.

² If you use power supplies as a main power source, please contact Panasonic regarding charging specifications.

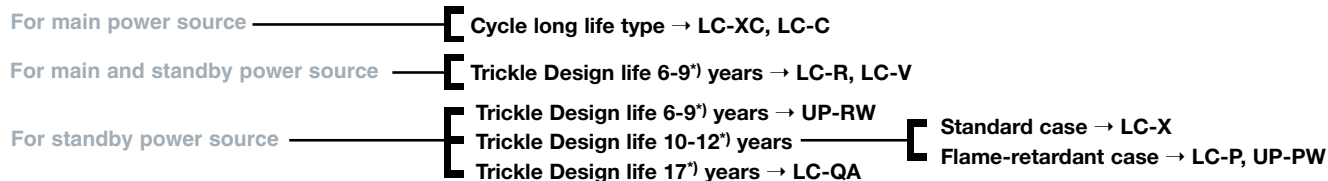
³ Height of Faston 250 type is 101.5 mm

⁴ Capacity: 16 Ah – 20 h discharge / 12 Ah – 3 h discharge

⁵ This battery is also available with a flame retardant battery case resin.

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Battery Types and Model Numbers



Trickle Design life:

- Temperature: 20 °C
- Discharge current: 0.1 CA
- Discharge ending voltage: 5.4 V for 6 V battery, 10.8 V for 12 V battery
- Charge voltage: 6.85 V for 6V battery, 13.7 V for 12 V battery

^{*)} Trickle Design life conform to Eurobat

Approx. Mass (kg)	Terminal Types		Battery-case Resin		VdS VdS N°
			Standard (UL94HB)	Flame-retardant (UL94V-O)	
0.30	Faston 187		√		-
0.62			√		-
0.72			√		-
1.26	Faston 187 or Faston 250 with hole		√		-
1.30	Faston 187			√	-
2.00	Faston 187 or Faston 250 with hole		√		-
2.10				√	-
41.00	M10 bolt and nut		√		-
0.59	Faston 187		√		G196049
0.80			√		G188151
1.20				√	-
1.45			√		G191053
2.47				√	-
2.50			√		G193046
3.80	Faston 250 with hole			√	-
4.20	Faston 187 or Faston 250 with hole		√		-
4.30	Faston 250 with hole		√		-
6.50	LC-XD1217P: M5 bolt and nut	LC-XD1217AP: M5 threaded post	√		G104101
6.60	LC-X1220P: M5 bolt and nut	LC-X1220AP: M5 threaded post	√		-
6.50	M5 threaded post		√		-
9.00	LC-X1224P: M5 bolt and nut	LC-X1224AP: M5 threaded post	√		G198049
11.00	LC-X1228P: M5 bolt and nut	LC-X1228AP: M5 threaded post	√		-
10.00	M5 bolt and nut		√		-
12.00	M6 bolt and nut		√		-
11.10					√
13.00	LC-X1238P: M6 bolt and nut	LC-X1238AP: M5 threaded post	√		G100002
15.00	M6 bolt and nut		√		-
16.00	LC-X1242P: M6 bolt and nut	LC-X1242AP: M5 threaded post	√		-
20.00	M6 bolt and nut		√		G199090
24.00			√		-
37.00	M8 bolt and nut		√		-
37.00			√		-

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Battery Types and Model Numbers

- For main power source → Cycle long life type → LC-XC, LC-C
 - For main and standby power source → Trickle Design life 6-9^{*)} years → LC-R, LC-V
 - For standby power source →
 - Trickle Design life 6-9^{*)} years → UP-RW
 - Trickle Design life 10-12^{*)} years → LC-X
 - Trickle Design life 17^{*)} years → LC-QA
- Standard case → LC-X
Flame-retardant case → LC-P, UP-PW

Trickle Design life:

- Temperature: 20 °C
- Discharge current: 0.1 CA
- Discharge ending voltage: 5.4 V for 6 V battery, 10.8 V for 12 V battery
- Charge voltage: 6.85 V for 6V battery, 13.7 V for 12 V battery

^{*)} Trickle Design life conform to Eurobat



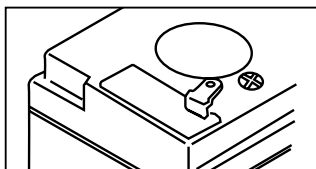
UP-RW Series (High power type for standby power supplies)

Model Number ¹⁾	Nominal Voltage (V)	Rated Power (W) (10 minute rate)	Usage ²⁾ Main or Standby Power Supplies	Expected Trickle Life (years) at 20 °C	Dimensions (mm)				Approx. Mass (kg)	Terminal Types	Battery-case Resin
					Length	Width	Height	Approx. Total Height			
UP-RW0645P1	12	135	Standby	6 – 9 years	151	34	94	100	1.30	Faston 250 with hole	Standard (UL94HB)
UP-RW1220P1		120			140	38.5			1.35		
UP-RWA1232P1/P2		192			151	51			2.00	Faston 250 with hole or Faston 187/ Faston 250 mixed	
UP-RW1245P1		270				64.5			2.60	Faston 250 with hole	
UP-PW1245P1				10 – 12 years	Flame-retardant (UL94V-O)						

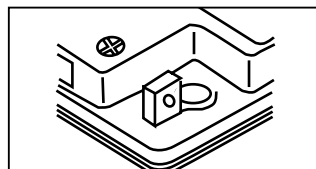
¹⁾ Contact Panasonic for the country of origin on each battery.

²⁾ If you use power supplies as a main power source, please contact Panasonic regarding charging specifications.

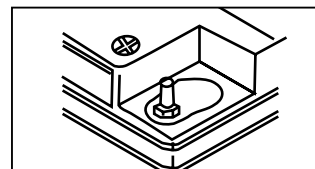
Terminal Types (Examples)



Faston Type



Bolt and Nut Type



Threaded Post Type

LC-QA Series

Model Number ¹⁾	Rated Voltage (V)	Rated Capacity (Ah)	Expected Service Life at 20 °C	Dimensions (mm)				Approx. Mass (kg)	Battery-case Resin	VdS VdS N°	
				Length	Width	Height	Approx. Total Height				
LC-QA1224	12	24	17 years	165	125	175	175	10	Flame-retardant (UL94V-O)	-	
LC-QA1242		42		197	165	175	180	16		-	
LC-QA1265		65		350	166	175	175	236		24	-
LC-QA12100		100								37	-
LC-QA12120		120		407	173	210	250	44		-	
LC-QA06200	6	200	37					-			

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²⁾ If you use power supplies as a main power source, please contact Panasonic regarding charging specifications.



Panasonic brings the first Super Life lead-acid batteries with a 17 year service life to Europe

*Manufactured in China to international standards
for environmental protection and occupational safety.*

Panasonic is extending its comprehensive range of industrial batteries still further with the new "Super Life" models. The hallmarks of these six new VRLA batteries of the LC-QA series, with capacities of between 24 and 200 ampere hours (Ah), are a very long service life of 17 years (at 20 degrees Celsius) and

excellent product quality. The main area of application is the telecommunications industry. The batteries are produced at the Chinese factory in Shenyang that has received accreditation for its particular commitment to environmental protection and social responsibility toward its staff.