



POWERED BY

Panasonic Batteries



Reliable Power Solutions for Demanding Applications



Panasonic

About VRLA

Panasonic's valve regulated lead acid (VRLA) rechargeable batteries:

- Special sealing epoxies, tongue and groove case construction, long sealing paths for posts and connectors assures exceptional leak resistance and long life.

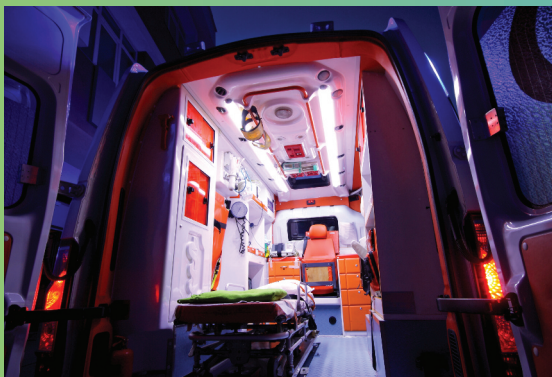
Specific features include:

- High quality and reliability
- Tight capacity make these cells ideal for superior multi battery use.
- Factory quality management system
- 100% inspection and capacity test before shipment
- Leak-resistant structure
- Exceptional deep discharge recovery



Our lead acid batteries can meet your multiple market needs

- UPS (Uninterruptable Power Supply)
- Emergency lighting
- Telecom back-up power supplies
- Wind turbine blade pitch control
- Solar
- Electric vehicle
- Medical equipment
- Lawn and garden



LC-R SERIES | BACK-UP AND MAIN POWER SUPPLIES (CYCLE AND TRICKLE USE)

Model Number	Nominal Voltage (V)	Rated Capacity 20 Hours rate (Ah)	Outline Dimensions in (mm)				Weight (Approx) lbs (kg)	Terminal Types	Battery-case Resin	
			Length	Width	Height	Total Height			UL94HB	UL94V-O
LC-R061R3P	6	1.3	3.82 (97)	0.95 (24)	1.97 (50)	2.17 (55)	0.55 (0.25)	187	●	
LC-R063R4P	6	3.4	5.28 (134)	1.34 (34)	2.36 (60)	2.60 (66)	1.32 (0.60)	187	●	
LC-R064R5P	6	4.5	2.76 (70)	1.89 (48)	4.02 (102)	4.26 (108)	1.65 (0.75)	187	●	
LC-R067R2P/P1	6	7.2	5.95 (151)	1.34 (34)	3.70 (94)	3.94 (100)	2.86 (1.30)	187 & 250	●	
LC-R0612P	6	12.0	5.95 (151)	1.97 (50)	3.70 (94)	3.94 (100)	4.29 (1.95)	187	●	
LC-R121R3P	12	1.3	3.82 (97)	1.87 (47.5)	1.97 (50)	2.17 (55)	1.21 (0.55)	187	●	
LC-R122R2P/P1	12	2.2	6.97 (177)	1.34 (34)	2.36 (60)	2.60 (66)	1.76 (0.80)	187	●	
LC-R123R4P	12	3.4	5.28 (134)	2.64 (67)	2.36 (60)	2.60 (66)	2.53 (1.15)	187	●	
LC-R127R2P/P1	12	7.2	5.95 (151)	2.54 (64.5)	3.70 (94)	3.94 (100)	5.50 (2.50)	187 & 250	●	
LC-RA1212P	12	12.0	5.95 (151)	3.86 (98)	3.70 (94)	3.94 (100)	8.47 (3.85)	187 & 250	●	
LC-RD1217P/AP	12	17.0	7.13 (181)	2.99 (76)	6.58 (167)	6.58 (167)	12.87 (5.85)	M5L & M5A	●	
LC-R1233P/AP	12	33.0	7.70 (195.6)	5.12 (130)	6.10 (155)	7.09 (180)	25.30 (11.5)	M6L	●	

Expected trickle life: 5 years @ 20°C

Note: Battery cases marked with a ● are the normal product using standard resin.

Those marked with X are available with flame retardant resin by special order.

TERMINAL TYPES : P= 187, P1=250, AP=M6L & M5A

LC-CA/LC-XC SERIES | MAIN POWER SUPPLIES (CYCLE USE-LONG LIFE)

Model Number	Nominal Voltage (V)	Rated Capacity 20 Hours rate (Ah)	Outline Dimensions in (mm)				Weight (Approx) lbs (kg)	Terminal Types	Battery-case Resin	
			Length	Width	Height	Total Height			UL94HB	UL94V-O
LC-CA1215P/P1	12	15	5.94 (151)	3.86 (98)	3.70(94)	3.94 (100)	9.15 (4.15)	187 & 250M	●	
LC-CA1216P/P1	12	16	5.94 (151)	3.86 (98)	3.90 (99)	4.13 (105)	10.4 (4.70)	187 & 250M	●	
LC-XC1221P/AP	12	21	7.13 (181)	2.99 (76)	6.57 (167)	6.57 (167)	14.4 (6.55)	M5L & M5A	●	
LC-XC1228P/AP	12	28	6.50 (165)	4.92 (125)	6.89 (175)	7.07 (180)	23.15 (10.5)	M5L & M5A	●	
LC-XC1238P/AP	12	38	7.76 (197)	6.50 (165)	6.89 (175)	7.07 (180)	33.07 (15.0)	M6L & M5A	●	

Expected cycle life: 400 to 60% D.O.D.

Battery cases marked with a ● are the normal product using standard resin.

(7 A discharge @ 25°C)

TERMINAL TYPES : P= 187, P1=250, AP=M6L & M5A

EC-FV SERIES | ENERGY STORAGE EV/SOLAR (DEEP CYCLE)

Model Number	Nominal Voltage (V)	Rated Capacity 20 Hours rate (Ah)	Outline Dimensions in (mm)				Weight (Approx) lbs (kg)	Terminal Types	Battery-case Resin	
			Length	Width	Height	Total Height				
EC-FV1238	12	38	10.28 (261)	6.50 (116)	6.89 (175)	7.07 (180)	30.86 (14.0)	M8	Polypropylene	
EC-FV1260	12	60	15.3 (388)	4.57 (116)	6.89 (175)	7.07 (180)	46.3 (21.0)	M8	Polypropylene	

Expected cycle life: 1000 to 80% D.O.D. (1/3 A discharge @ 25°C)

VALVE REGULATED LEAD ACID

LC-P SERIES BACK-UP SUPPLIES (TRICKLE USE)										
Model Number	Nominal Voltage (V)	Rated Capacity 20 Hours rate (Ah)	Outline Dimensions in (mm)				Weight (Approx) lbs (kg)	Terminal Types	Battery-case Resin	
			Length	Width	Height	Total Height			UL94HB	UL94V-O
LC-P061R3P	6	1.3	3.82 (97)	0.95 (24)	1.97 (50)	2.17 (55)	0.55 (0.25)	187		●
LC-P067R2P/P1	6	7.2	5.95 (151)	1.34 (34)	3.70 (94)	3.94 (100)	2.86 (1.20)	187 & 250		●
LC-P0612P/P1	6	12	5.95 (151)	1.97 (50)	3.70 (94)	3.94 (100)	3.96 (1.80)	187 & 250		●
LC-P06200	6	200	16.02 (407)	6.81 (173)	8.27 (210)	9.84 (250)	73.85 (33.5)	M10 T		●
LC-P121R3P	12	1.3	3.82 (97)	1.87 (48)	1.97 (50)	2.17 (55)	1.21 (0.55)	187		●
LC-P122R2	12	2.23	6.97 (177)	1.34 (34)	2.36 (60)	2.60 (66)	1.76 (0.80)	187		●
LC-P123R4P	12	3.43	5.28 (134)	2.64 (67)	2.36 (60)	2.60 (66)	2.65 (1.20)	187		●
LC-P127R2P/P1	12	7.23	5.95 (151)	2.54 (64.5)	3.70 (94)	3.94 (100)	5.06 (2.30)	187 & 250		●
LC-PA1212P/P1	12	12	5.95 (151)	3.86 (98)	3.70 (94)	3.94 (100)	8.03 (3.65)	187 & 250		●
LC-P1216P/P1	12	16	5.95 (151)	3.86 (98)	3.90 (99)	4.13 (105)	9.04 (4.10)	187 & 250		●
LC-P1217LC-PD	12	17	7.13 (181)	2.99 (76)	6.58 (167)	6.58 (167)	12.01 (5.45)	M5		●
LC-P1220P/AP	12	20	7.13 (181)	2.99 (76)	6.58 (167)	6.58 (167)	12.79 (5.80)	M5		●
LC-P1224P/AP	12	24	6.50 (165)	4.92 (125)	6.89 (175)	7.07/6.89 (179.5/175)	17.75 (8.05)	M5		●
LC-P1228P/AP	12	28	6.50 (165)	4.92 (125)	6.89 (175)	7.07/6.89 (179.5/175)	20.72 (9.40)	M5		●
LC-P1238P/AP	12	38	7.76 (197)	6.50 (165)	6.89 (175)	7.09/6.89 (180/175)	27.56 (12.5)	M6 & M5		●
LC-P1242P/AP	12	42	7.76 (197)	6.50 (165)	6.89 (175)	7.09/6.89 (180/175)	29.76 (13.5)	M6 & M5		●
LC-P1265P	12	65	13.78 (350)	6.54 (166)	6.89 (175)	6.89 (175)	41.89 (19.0)	M6L		●
LC-P1275P	12	75	13.78 (350)	6.54 (166)	6.89 (175)	6.89 (175)	47.4 (21.5)	M6L		●
LC-P12100P	12	100	16.02 (407)	6.81 (173)	8.27 (210)	9.29 (236)	63.93 (29.0)	M8		●
LC-P12120P	12	120	16.02 (407)	6.81 (173)	8.27 (210)	9.29 (236)	76.06 (34.5)	M8L		●
LC-P12150P	12	150	20.96 (532)	7.22 (183)	8.23 (209)	9.25/8.43 (235/214)	99.21 (45.0)	M8L		●
LC-P12200P	12	200	20.98 (533)	9.31 (237)	8.31 (211)	9.33/8.50 (237/216)	123.46 (56.0)	M8		●

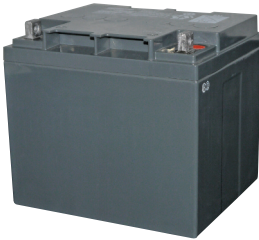
Expected trickle life: approximately 10 years @ 20°C

Battery cases marked with a ● are the normal product using standard resin.

TERMINAL TYPES : P= 187, P1=250, AP=M6L & M5A



LC-P1275P



LC-P1242P



LC-P12120P

BATTERIES

UP SERIES/STAND-BY | UPS POWER SUPPLIES (HIGH POWER SERIES)

Model Number	Nominal Voltage (V)	Rated Capacity Watts/Cell at 10 Minute Rate	Outline Dimensions in (mm)				Weight (Approx) lbs (kg)	Terminal Types P/P1	Battery-case Resin	
			Length	Width	Height	Total Height			UL94HB	UL94V-O
UP-VW0645P1	6	45	5.95 (151)	1.34 (34.0)	3.70 (94)	3.94 (100)	2.87 (1.30)	187 & 250		X
UP-PW0645P1	6	45	5.95 (151)	1.34 (34.0)	3.70 (94)	3.94 (100)	2.87 (1.30)	187 & 250		X
UP-VW1220P1	12	20	5.51 (140)	1.52 (38.5)	3.70 (94)	3.94 (100)	2.87 (1.30)	187 & 250		X
UP-VW1228P1	12	28	5.95 (151)	2.54 (64.5)	3.70 (94)	3.94 (100)	4.07 (1.85)	187 & 250		X
UP-VWA1232P1	12	32	5.95 (151)	2.01 (51.0)	3.70 (94)	3.94 (100)	4.41 (2.00)	187 & 250		X
UP-VWA1236P1	12	36	5.95 (151)	2.54 (64.5)	3.70 (94)	3.94 (100)	4.52 (2.05)	187 & 250		X
UP-VWA1245P1	12	45	5.95 (151)	2.54 (64.5)	3.70 (94)	3.94 (100)	5.62 (2.55)	187 & 250		X
UP-PW1245P1	12	45	5.95 (151)	2.54 (64.5)	3.70 (94)	3.94 (100)	5.62 (2.55)	187 & 250		X

Expected life: UP-VW 3-5 Years
UP-PW 6-10 years

Those marked with **X** are only available with flame retardant resin.
TERMINAL TYPES : P= 187, P1=250, AP=M6L & M5A

LC-QA SERIES/STAND-BY | BACK-UP POWER SUPPLIES (SUPER LONG LIFE TRICKLE USE*)

Model Number	Nominal Voltage (V)	Rated Capacity 20 Hours rate (Ah)	Outline Dimensions in (mm)				Weight (Approx) lbs (kg)	Terminal Types	Battery-case Resin	
			Length	Width	Height	Total Height			UL94HB	UL94V-O
LC-QA06210	6	210	16.02 (407)	6.81 (173)	8.27 (210)	9.84 (250)	80.47 (36.5)	M10T		X
LC-QA1224	12	24	6.50 (165)	4.92 (125)	6.89 (175)	6.89 (175)	21.83 (9.9)	M5L & M5A		X
LC-QA1242	12	42	7.76 (197)	6.50 (165)	6.89 (175)	7.09 (180)	34.17 (15.5)	M6L		X
LC-QA1270	12	70	13.78 (350)	6.54 (166)	6.89 (175)	6.89 (175)	51.81 (23.5)	M6L		X
LC-QA12110	12	110	16.02 (407)	6.81 (173)	8.27 (210)	9.29 (236)	79.37 (36.0)	M8L & M8T		X

Expected trickle life: 15 years @ 20°C

Those marked with **X** are only available with flame retardant resin.

WIND TURBINE PITCH CONTROL

Model Number	Nominal Voltage (V)	Rated Capacity 20 Hours rate (Ah)	Outline Dimensions in (mm)				Weight (Approx) lbs (kg)	Terminal Types	Battery-case Resin	
			Length	Width	Height	Total Height			UL94HB	UL94V-O
LC-WTV127R2E	12	7.2	5.95 (151)	2.53 (64)	3.71 (94)	3.94 (100)	5.51 (2.5)	250		X
LC-WTP127R2E	12	7.2	5.95 (151)	2.53 (64)	3.71 (94)	3.94 (100)	5.51 (2.5)	250		X
LC-WTV1212E	12	12	5.95 (151)	3.86 (98)	3.71 (94)	3.94 (100)	8.49 (3.9)	250		X
LC-WTP1212E	12	12	5.95 (151)	3.86 (98)	3.71 (94)	3.94 (100)	8.49 (3.9)	250		X

Expected life: LC-WTV 3-5 Years
LC-WTP 6-10 years

Those marked with **X** are only available with flame retardant resin.

Panasonic Batteries is a leading supplier of advanced manufacturing and product technologies, with superior quality and performance characteristics. Panasonic provides one of the broadest lines of primary and rechargeable batteries in the world, meeting the needs of multiple markets for reliable battery power for critical applications.



Panasonic Valve Regulated Lead Acid batteries (weighing less than 2 lbs) are covered by the Rechargeable Battery Recycling Corporation's (RBRC) recycling program. **For larger batteries call 1-800-SAV-LEAD.**



For more information on how Panasonic can assist you
with your battery power solution needs contact:

Panasonic Batteries

5201 Tollview Drive

Rolling Meadows | Illinois 60008

Phone **877 726 2228**

Email **oembatteries@us.panasonic.com**

www.panasonic.com/industrial/batteries-oem

Panasonic Canada Inc.

5770 Ambler Drive

Mississauga, Ontario | Canada L4W 2T3

Phone **905 624 5010 Ext. 3047**

Email **ind_batteries@ca.panasonic.com**

www.panasonic.ca

