



Lead Carbon LC series



-20°C – +55°C

TEMPERATURE RANGE

≤4% per month at 25°C

SELF-DISCHARGE

1.5 - 3 Years*

WARRANTY

3000 cycles

NUMBER OF CYCLES AT 60% DOD

* depending on the application and the actual model

LEOCH Lead Carbon batteries, LC series, are Carbon AGM Valve-Regulated Lead-Acid batteries that have been optimized for renewable energy applications. Engineered using Lead Carbon technology that reduces shedding of the active material from the negative plates, LC batteries offer very high cyclic performance. LC batteries come in 2V cells format for horizontal as well as vertical installation to minimize space requirements.

GENERAL FEATURES



LONG LIFE

Long Life design (≥12 years) classified according to Eurobat



SAFETY

Unique anti-explosion one-way vent valve design to minimize water loss & increase safety



DEPTH OF DISCHARGE

Super carbon technology for increased cyclic performance (≥3000 cycles at 60%DOD)



LONG SERVICE LIFE

Thick plates using a special pasting formula ensures long service life



MODULAR DESIGN

Modular design terminal caps reduces risk of short circuits and improves safety



ABS CASE

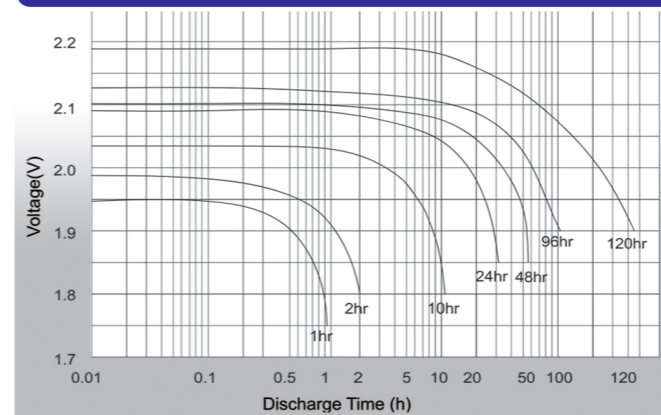
ABS case UL94-HB (UL94-V0 optional) is used for increased container strength

BATTERY SPECIFICATIONS

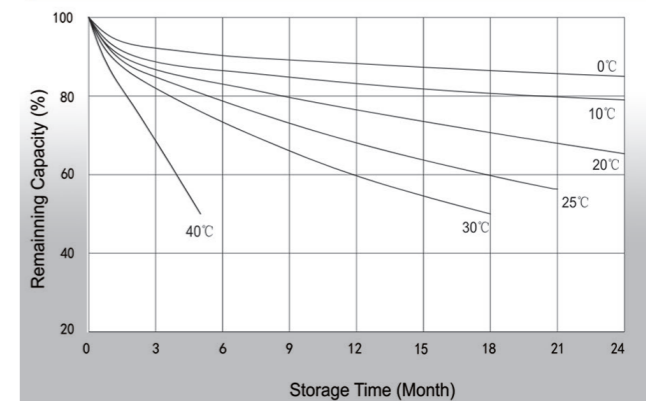
Model	Nominal Voltage (V)	Rated Capacity 10Hr @1.80V /cell (AH)	Rated Capacity 100Hr @1.80V /cell (AH)	Approx. Dimensions								Approx. Weight		Terminal Type
				Length		Width		Height		Total Height		kg	lbs	
				mm	in.	mm	in.	mm	in.	mm	in.			
LC2-200	2	200	224	90.00	3.54	181.00	7.13	350.00	13.78	365.00	14.37	13.60	29.99	M8
LC2-300	2	300	336	124.00	4.88	181.00	7.13	350.00	13.78	365.00	14.37	18.80	41.45	M8
LC2-400	2	400	448	158.00	6.22	181.00	7.13	350.00	13.78	365.00	14.37	24.80	54.68	M8
LC2-500	2	500	560	191.00	7.52	181.00	7.13	350.00	13.78	365.00	14.37	30.60	67.47	M8
LC2-600	2	600	672	225.00	8.86	181.00	7.13	350.00	13.78	365.00	14.37	36.60	80.70	M8
LC2-800	2	800	896	303.00	11.93	181.00	7.13	350.00	13.78	365.00	14.37	48.80	107.60	M8
LC2-1000	2	1000	1120	370.00	14.57	181.00	7.13	350.00	13.78	365.00	14.37	60.60	133.62	M8
LC2-1200	2	1200	1344	440.00	17.32	181.00	7.13	350.00	13.78	365.00	14.37	72.60	160.08	M8

PERFORMANCE CHARACTERISTICS

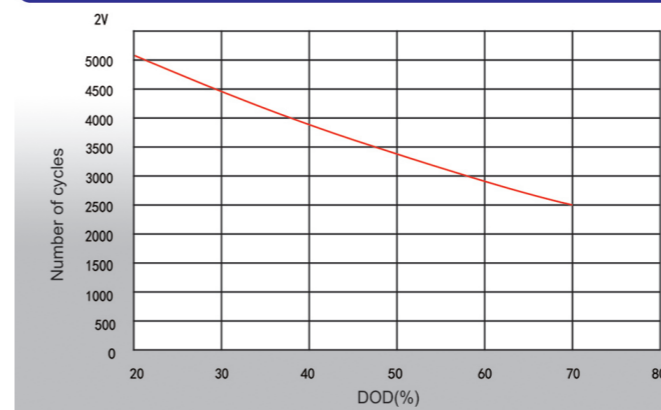
Discharge Characteristics



Self Discharge Characteristics



Cycle Life in Relation to DOD



Temperature Effect in Relation to Battery Capacity

