



Lead Carbon LRC series



- 20°C – +55°C**
TEMPERATURE RANGE
- ≤3.5% per month at 25°C**
SELF-DISCHARGE
- 3 Years***
WARRANTY
- 3200-4000 cycles***
NUMBER OF CYCLES AT 60% DOD

* depending on the application and the actual model

LEOCH Lead Reinforced Carbon batteries, LRC series, are reinforced Carbon AGM Valve-Regulated Lead-Acid batteries that have been optimized for renewable energy applications. Engineered using reinforced Lead Carbon technology that reduces shedding of the active material from the negative plates, LRC batteries offer extremely high cyclic performance. LRC batteries come in 2V cells format but also 12V front terminal format to cover increased space utilization requirements.

GENERAL FEATURES

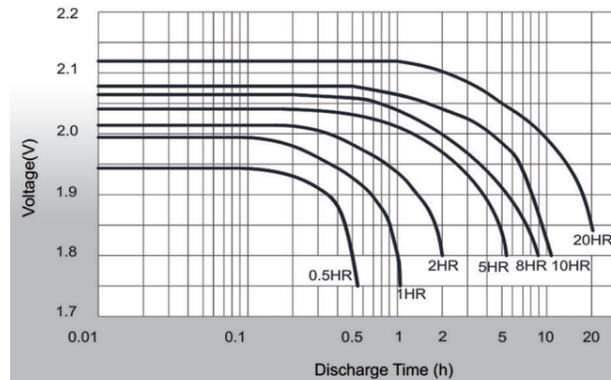
- EUROBAT CLASSIFIED**
Long Life design (≥12 years) classified according to Eurobat for 12V models and Very Long Life design (≥15 years) classified according to Eurobat for 2V models
- MODULAR DESIGN**
Modular design terminal caps reduces risk of short circuits and improves safety
- DEPTH OF DISCHARGE**
Super carbon technology for increased cyclic performance (≥4000 cycles at 60%DOD) for 2V cells and (≥3200 cycles at 60%DOD) for 12V blocks
- LONG SERVICE LIFE**
Thick plates using a special pasting formula ensures long service life
- SAFETY**
Unique anti-explosion one-way vent valve design to minimize water loss & increase safety
- ABS CASE**
ABS case UL94-HB (UL94-V0 optional) is used for increased container strength

BATTERY SPECIFICATIONS

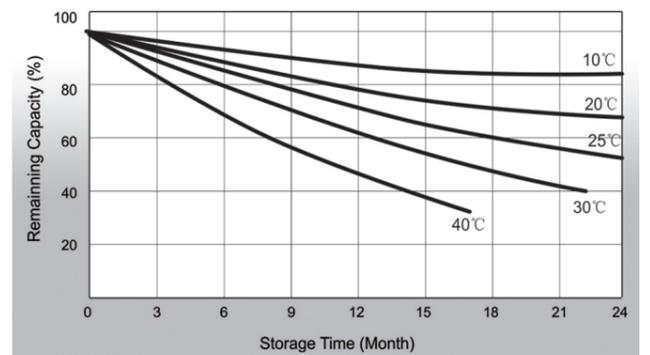
Model	Nominal Voltage (V)	Rated Capacity 10Hr @1.80V /cell (AH)	Rated Capacity 100Hr @1.80V /cell (AH)	Approx. Dimensions								Approx. Weight		Terminal Type
				Length		Width		Height		Total Height		kg	lbs	
				mm	in.	mm	in.	mm	in.	mm	in.			
LRCF12-140	12	143	157	550.00	21.65	125.00	4.92	315.00	12.40	315.00	12.40	55.00	121.28	M8
LRCF12-170	12	174	191	560.00	22.05	126.00	4.96	320.00	12.60	320.00	12.60	62.00	136.71	M8
LRC2-300	2	321	360	158.00	6.22	181.00	7.13	350.00	13.78	365.00	14.37	24.50	54.02	M8
LRC2-400	2	428	480	191.00	7.52	181.00	7.13	350.00	13.78	365.00	14.37	31.00	68.36	M8
LRC2-500	2	536	600	225.00	8.86	181.00	7.13	350.00	13.78	365.00	14.37	37.50	82.69	M8
LRC2-600	2	643	720	303.00	11.93	181.00	7.13	350.00	13.78	365.00	14.37	47.50	104.74	M8
LRC2-800	2	857	960	370.00	14.57	181.00	7.13	350.00	13.78	365.00	14.37	60.60	133.62	M8
LRC2-1000	2	1071	1200	440.00	17.32	181.00	7.13	350.00	13.78	365.00	14.37	73.60	162.29	M8

PERFORMANCE CHARACTERISTICS

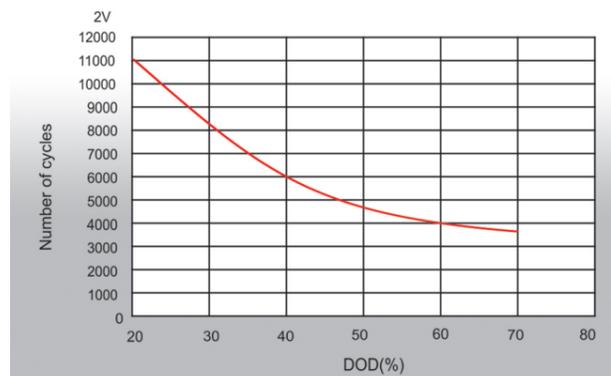
Discharge Characteristics



Self Discharge Characteristics



Cycle Life in Relation to DOD (2V)



Cycle Life in Relation to DOD (12V)

