



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 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
(≥2800 cycles at 60%DOD)



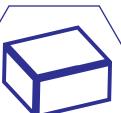
LONG SERVICE
LIFE

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

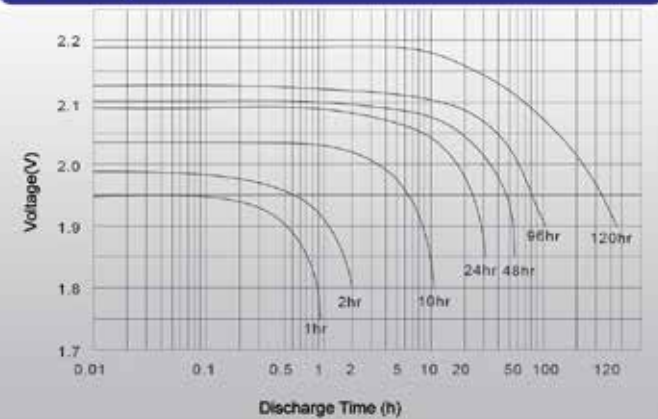
ABS case UL94-HB (UL94-V0
optional) is used for increased
container strength

BATTERY SPECIFICATIONS

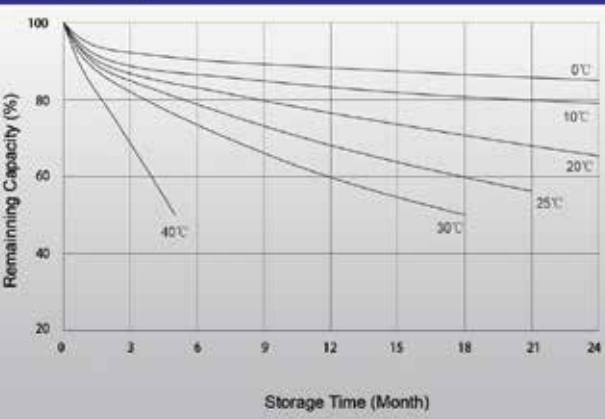
| Model | Nominal Voltage (V) | Rated Capacity 10Hr @1.80V /cell (AH) | Approx. Dimensions | | | | | | | | Approx. Weight | | Terminal Type |
|----------|---------------------|---------------------------------------|--------------------|-------|--------|------|--------|-------|--------------|-------|----------------|--------|---------------|
| | | | Length | | Width | | Height | | Total Height | | | | |
| | | | mm | in. | mm | in. | mm | in. | mm | in. | kg | lbs | |
| LC2-200 | 2 | 200 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 440.00 | 17.32 | 181.00 | 7.13 | 350.00 | 13.78 | 365.00 | 14.37 | 72.60 | 160.08 | M8 |

PERFORMANCE CHARACTERISTICS

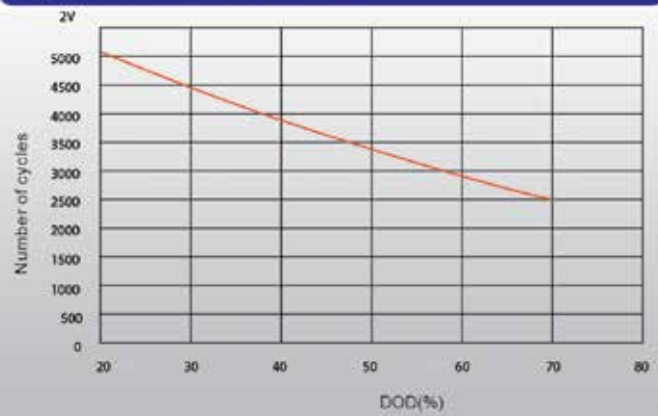
Discharge Characteristics



Self Discharge Characteristics



Cycle Life in relation to DOD



Temperature Effect in Relation to Battery Capacity

