

## Specification

Nominal Voltage	2V	
Rated Capacity	1120.0Ah	(C <sub>10</sub> , 1.80V/cell)
Dimension	Length	233mm(9.17 in.)
	Width	210mm(8.27 in.)
	Container Height	646mm(25.43 in.)
	Total Height (with Terminal)	681mm(26.81 in.)
Approx Weight	78.5Kg (173.06 lbs)	
Terminal	M8	
Container Material	ABS	
Max. Discharge Current	8000A (5s)	
Internal Resistance	Approx 0.38 mΩ	
Operating Temp. Range	Discharge	-20°C~55°C (-4°F~131°F)
	Charge	0°C~40°C (32°F~104°F)
	Storage	-20°C~50°C (-4°F~122°F)
Nominal Operating Temp. Range	25°C±3°C (77°F±5°F)	
Cycle Use(25°C)	Charging Current	≤250.0A
	Charging Voltage	2.35V~2.40V
Standby Use (25°C)	Charging Current	≤250.0A
	Charging Voltage	2.25V
	Temp. Coefficient	-3mV/cell/°C
Self Discharge	≤3% per month at 25°C	

## Applications

- ◆ Lawn lamp    ◆ Traffic lights    ◆ Street signs    ◆ Pump systems    ◆ Signal station
- ◆ Alarm installations    ◆ Railway crossing    ◆ Solar power stations    ◆ Street lightening
- ◆ Telecommunications installations    ◆ Green energy systems (solar, wind, hydro, etc)

### Constant Current Discharge (Amperes) at 25 °C (77°F)

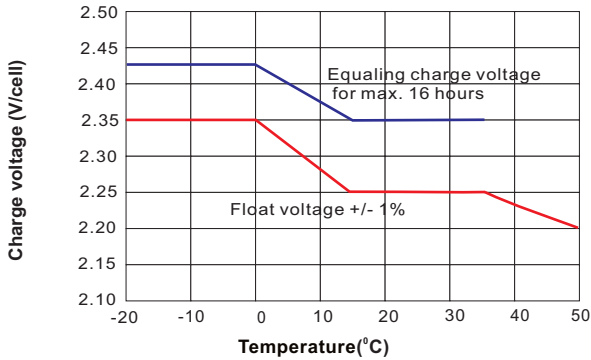
F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.85V/cell	682.0	648.0	558.0	467.3	309.8	239.4	164.9	123.2	104.9
1.80V/cell	839.0	784.0	650.0	527.1	340.2	261.5	177.5	132.2	112.0
1.75V/cell	992.0	877.0	693.0	548.1	349.7	266.7	181.7	133.3	114.2
1.70V/cell	1,113.0	957.0	769.7	585.4	369.4	279.7	189.0	135.5	115.4
1.67V/cell	1,196.0	1,011.0	801.2	602.6	376.9	285.1	192.2	136.6	116.5
1.60V/cell	1,251.0	1,047.0	821.1	613.4	382.3	288.4	194.4	137.8	117.6

### Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.85V/cell	1,268.0	1,217.0	1,066.0	905.1	602.7	468.3	324.5	243.0	208.3
1.80V/cell	1,532.0	1,452.0	1,230.0	1,012.2	658.4	507.2	348.6	259.8	222.9
1.75V/cell	1,782.0	1,603.0	1,298.0	1,046.9	673.1	516.6	353.9	264.3	225.1
1.70V/cell	1,964.0	1,724.0	1,428.0	1,111.3	706.3	540.0	368.3	266.6	227.4
1.67V/cell	2,071.0	1,793.0	1,470.0	1,135.1	718.2	547.6	372.6	269.9	229.6
1.60V/cell	2,126.0	1,830.0	1,492.1	1,147.0	723.6	551.9	374.8	271.0	230.7

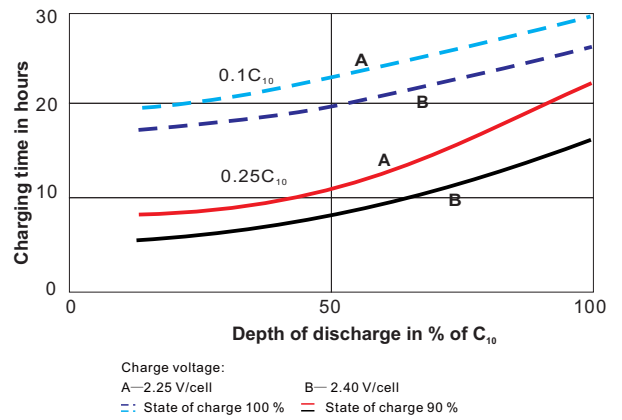
Specifications subject to change without notice.

## Charge voltage vs ambient temperature curve

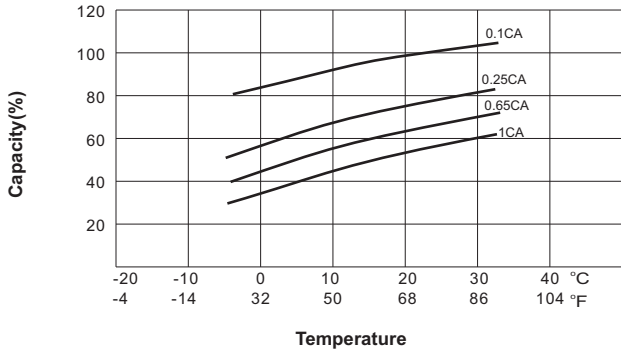


For continuous charging we recommend a voltage of 2.25 V. The charging voltage must be compensated to the curve for a continuously different battery ambient temperature.

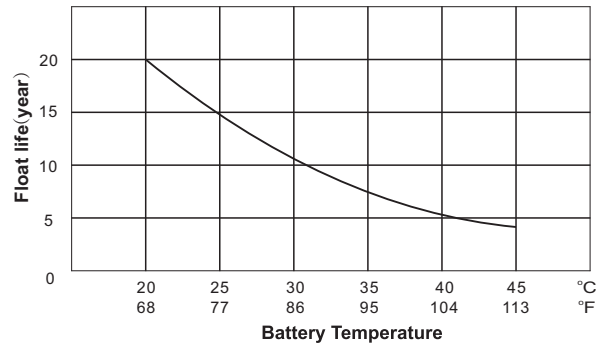
## Charging Characteristics



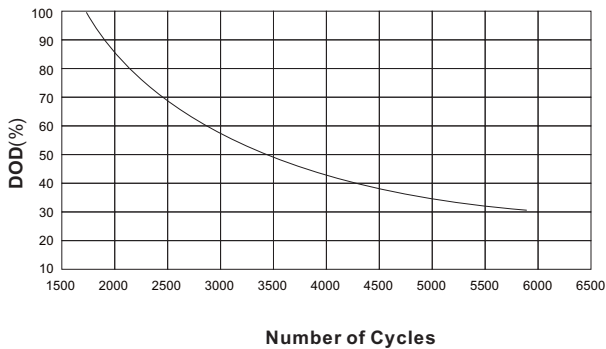
## Temperature Effects in Relation to Battery Capacity



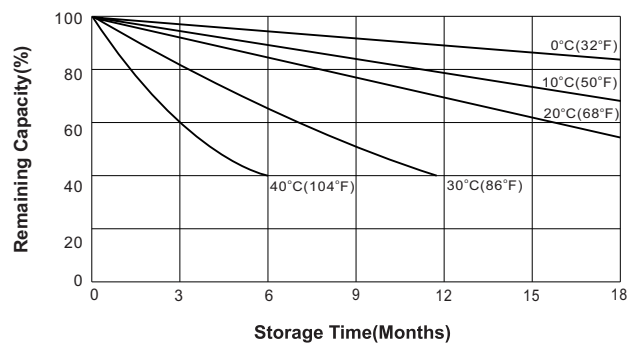
## Float Life



## Cycle Life



## Self Discharge Characteristics



## Sales Offices Worldwide

### China Sales Office

5th Floor, Xinbaohui Bldg., Nanhai Blvd.,  
Nanshan, Shenzhen, China. 518052  
Tel: +86-755-86036060 (100 lines)  
Fax: +86-755-26067269  
E-mail: export@leoch.com

### HongKong Sales Office

Workshop C, 33/F, TML Tower, No. 3 Hoi Shing Road,  
Tsuen Wan, New Territories, Hong Kong  
Tel: +852 35786666  
Fax: +44 1452 690125  
E-mail: sales.hk@leoch.com

### Singapore Sales Office

No. 1 Tech Park Crescent,  
Singapore 638131  
Tel: +65 68636078  
Fax: +65 6863 6079  
Email: sales.sg@leoch.com

### Australia Sales Office

2 /29 Tarlington Place, Smithfield. NSW 2164  
Australia  
Tel: 02 9756 0950  
E-mail: sales.au@leoch.com

### North America Sales Office

19751 Descartes  
Foothill Ranch, CA 92610, USA  
Tel: 949-588-5853  
Fax: 949-588-5966  
E-mail: sales@leoch.us

### UK Sales Office

9B Wheatstone Court, Waterwells, Business Park,  
Gloucester, GL2-2AQ, UK United Kingdom  
Tel: +44(0) 1452 729428 / 1452 729696  
Fax: +44 1452 690125  
E-mail: Sales.Europe@leoch.com

### Europe/MEA Sales Office

1 Deligiorgi St., 121 31 Athens,  
Greece  
Tel: +30 210 5760318 (2 lines)  
E-mail: support\_EMEA@leoch.com

### India Sales Office

Shed no. A-53(b), 2nd Stage of Peenya Industrial Area,  
Bangalore North Taluk, Bangalore-560058, India  
Tel: +91-80-23440018/23440019  
Fax: +91-80-23440017  
E-mail: indiasales@leoch.com



[Http://www.leoch.com](http://www.leoch.com)  
[Http://www.leoch.us](http://www.leoch.us)

© 2017 LEOCH. All rights reserved.  
Trademarks and logos are the property of LEOCH and its affiliates unless otherwise noted.  
Subject to revisions without prior notice.

Publication No.:LB-100PzV1000-PD-EN-V1.0-201709