

LP SERIES-General Purpose

LP2-1500 (2V1500AH)



Specification

Nominal Voltage	2V	
Nominal Capacity(10HR)	1500.0AH	
Dimensions	Length	403±3mm (15.87 inches)
	Width	354±3mm (13.94 inches)
	Container Height	339±3mm (13.35 inches)
	Total Height (with Terminal)	349±3mm (13.74 inches)
Approx Weight	Approx 94.0 kg (207.3lbs)	
Terminal	T11	
Container Material	ABS	
Rated Capacity	1576.0 AH/78.8A	(20hr, 1.80V/cell, 25°C/77°F)
	1500.0 AH/150.0A	(10hr, 1.80V/cell, 25°C/77°F)
	1305.0 AH/261.0A	(5hr, 1.75V/cell, 25°C/77°F)
	1134.0AH/378.0A	(3hr, 1.75V/cell, 25°C/77°F)
	910.5 AH/910.5A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	12000A (5s)	
Internal Resistance	Approx 0.35mΩ	
Operating Temp. Range	Discharge	-15~50°C (5~122°F)
	Charge	0~40°C (32~104°F)
	Storage	-15~40°C (5~104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 450.0A. Voltage 2.4V~2.5V at 25°C(77°F)Temp. Coefficient -5mV/°C	
	No limit on Initial Charging Current Voltage 2.25V~2.3V at 25°C(77°F)Temp. Coefficient -3mV/°C	
Standby Use		
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	Leoch LP series batteries may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

Applications

- ◆ Tele-communication central station (wired or cellular)
- ◆ Power system communication, military communication, etc.
- ◆ Network communication including: data transmission, television signal transmission, etc.
- ◆ Uninterruptable Power System (UPS- for Telecom)



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

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	1150.2	912.0	748.5	449.6	347.5	285.4	243.0	212.3	171.0	143.3	76.0
1.80V/cell	1234.1	959.5	795.0	474.3	364.5	298.1	253.2	221.8	177.6	150.0	78.8
1.75V/cell	1306.9	1008.9	829.5	494.0	378.0	308.3	261.0	227.0	180.9	151.5	79.5
1.70V/cell	1371.3	1046.9	858.6	508.5	388.0	315.0	265.5	231.0	183.8	153.0	80.3
1.65V/cell	1438.4	1092.5	889.5	523.8	396.5	321.8	271.2	235.0	186.4	155.0	81.3
1.60V/cell	1488.0	1122.0	910.5	536.3	405.0	326.3	275.1	238.3	188.8	156.8	82.3

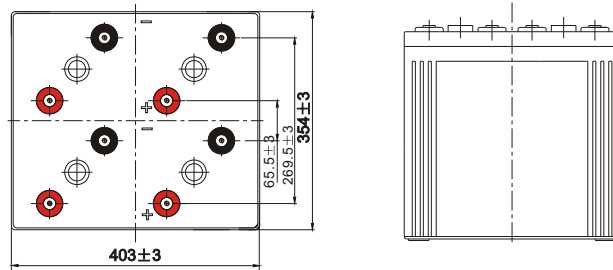
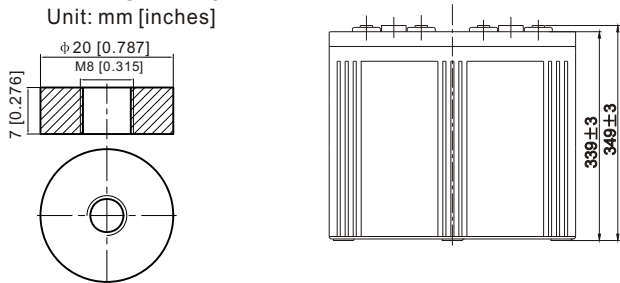
Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	2198.1	1753.5	1447.8	874.5	679.1	559.7	478.7	419.4	339.3	284.9	151.3
1.80V/cell	2339.6	1832.6	1529.2	918.2	709.0	582.7	496.6	436.4	351.3	297.9	156.6
1.75V/cell	2458.7	1915.7	1588.5	952.4	733.3	600.5	510.2	445.4	357.2	300.5	157.9
1.70V/cell	2558.1	1974.0	1635.5	976.4	749.9	611.1	517.4	452.5	362.4	303.3	159.4
1.65V/cell	2663.4	2048.4	1684.8	1001.5	762.9	622.1	526.7	459.0	366.6	306.6	161.2
1.60V/cell	2727.5	2084.1	1712.7	1018.9	775.3	628.0	532.1	463.9	370.6	309.7	162.9

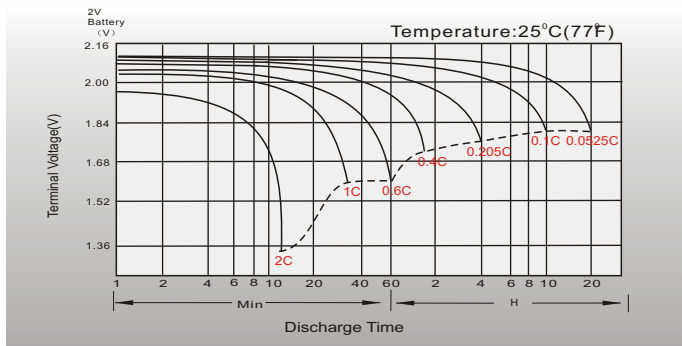
Dimensions

T11 Terminal

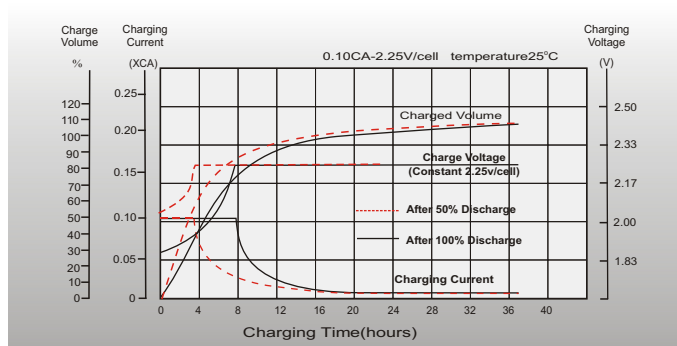
Unit: mm [inches]



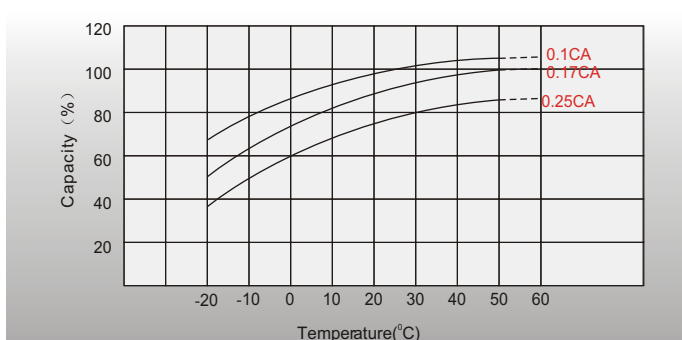
Discharge Characteristics



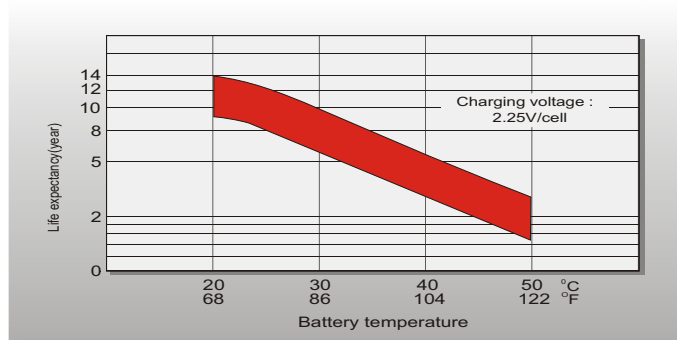
Float Charging Characteristics



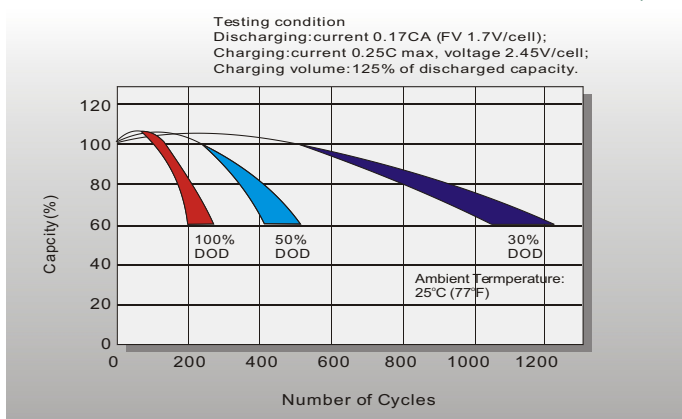
Temperature Effects in Relation to Battery Capacity



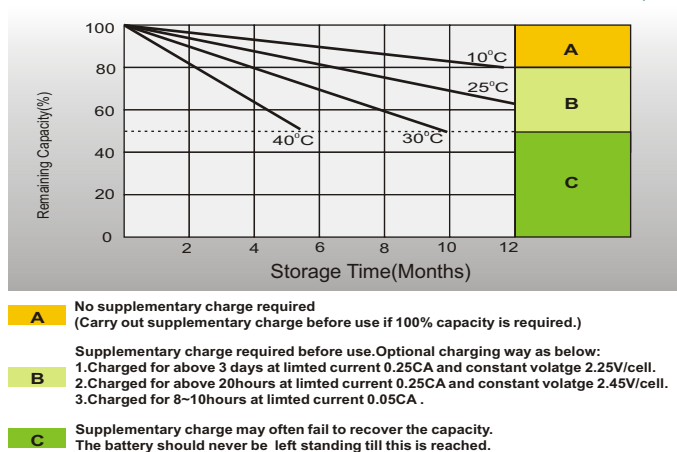
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



Sales Office

China sales office:

Add: 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
Http://www.leoch.com

North America sales office:

Add: 19751 Descartes, Unit A,
Foothill Ranch, CA 92610, USA
Tel: 949-588-5853
Fax: 949-588-5966
E-mail: sales@leoch.us
Http://www.leoch.us

Europe sales office:

Add: 9B Wheatstone Park, Waterwells
Business Park, Gloucester, GL2 2AQ, UK.
Tel: +44(0) 01452 729428
Fax: +44 (0)1452-690125
E-mail: Sales.Europe@leoch.com

Singapore sales office:

Add: No.53, Ubi Avenue 1, #03-21 Paya
Ubi Industrial Park, Singapore 408934
Tel: + 65 6841 6629
E-mail: sales.sg@leoch.com

HongKong sales office:

Add: Unit 3910, 39/F, Cable TV Tower, No.9
Hoi Shing Road, Tsuen Wan, NT, H.K.
Tel: +852 3578 6666
E-mail: sales.hk@leoch.com