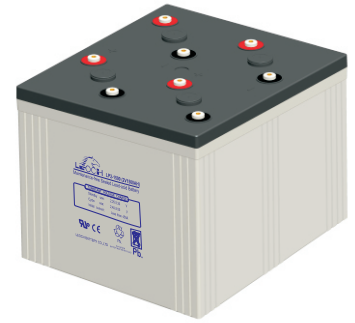


# LP SERIES-General Purpose

## 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 96.0 kg (211.7lbs)	
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	
	Standby Use No limit on Initial Charging Current Voltage 2.25V~2.3V at 25°C(77°F)Temp. Coefficient -3mV/°C	
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

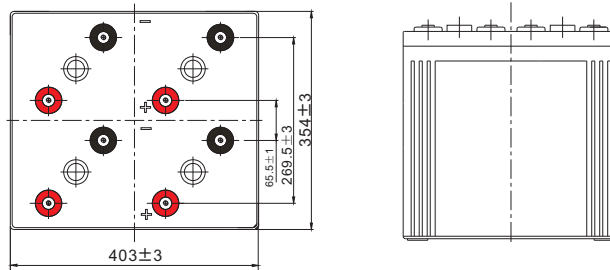
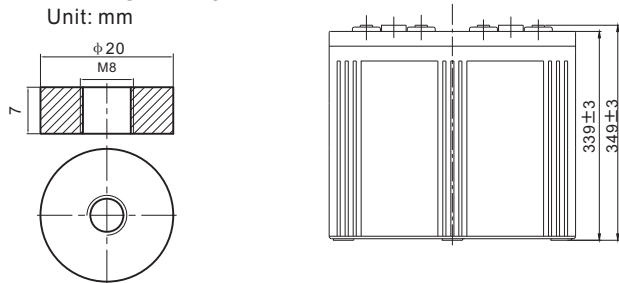
Specifications subject to change without notice.



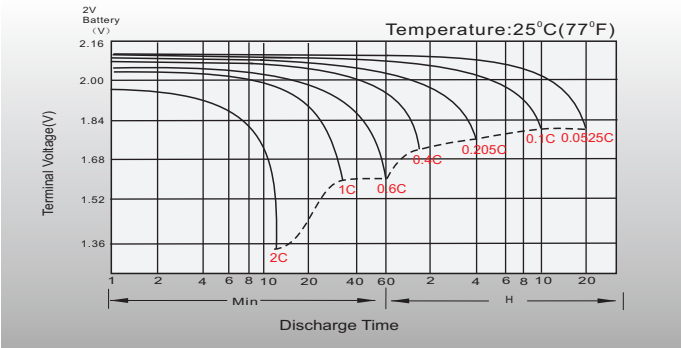
# Dimensions

## T11 Terminal

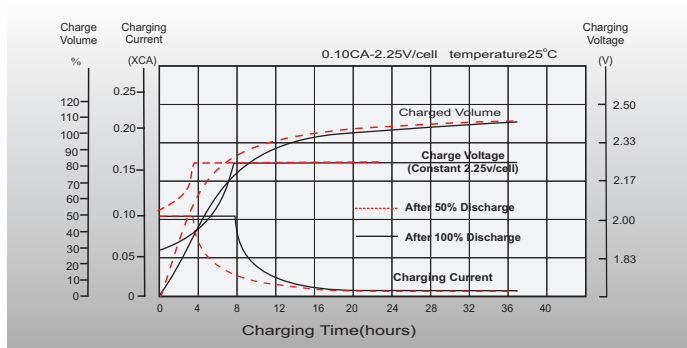
Unit: mm



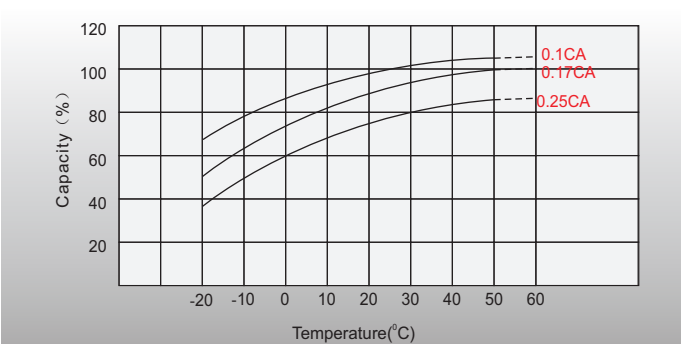
## Discharge Characteristics



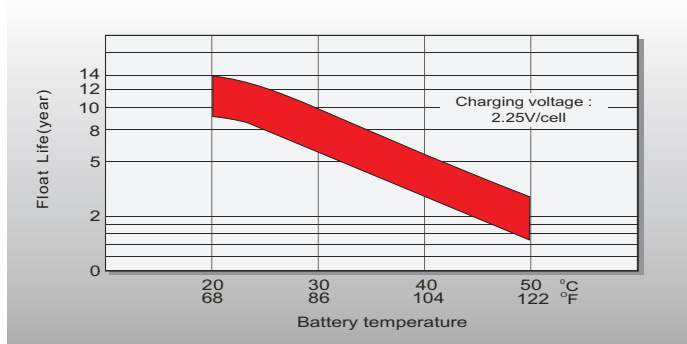
## Float Charging Characteristics



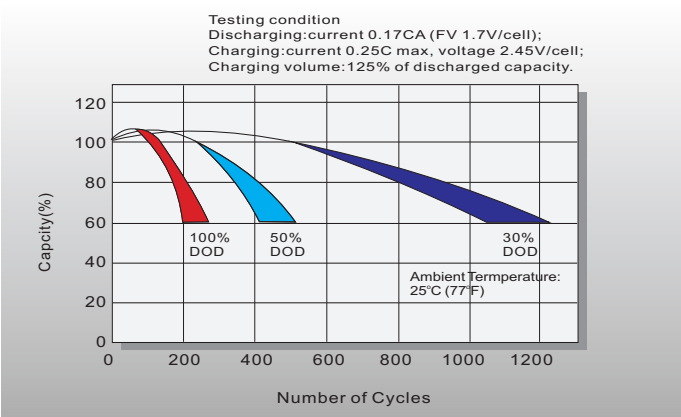
## Temperature Effects in Relation to Battery Capacity



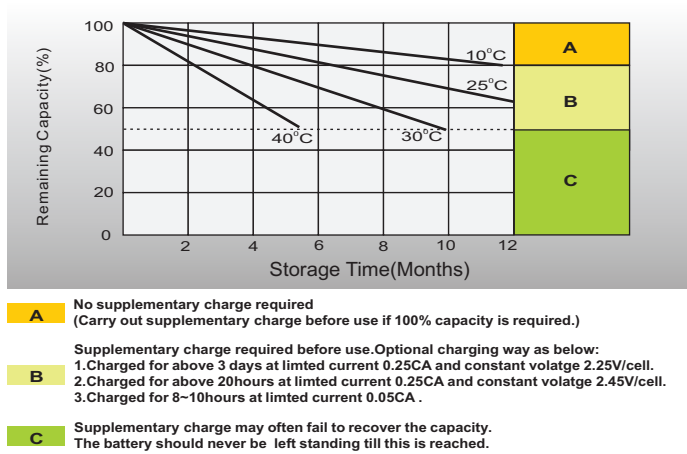
## Effect of Temperature on Long Term Float Life



## Cycle Life in Relation to Depth of Discharge



## Self Discharge Characteristics



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