

LP SERIES-General Purpose

LP2-2000 (2V2000AH)

Specification

Nominal Voltage	2V	
Nominal Capacity(10HR)	2000.0AH	
Dimensions	Length	490±3mm (19.29 inches)
	Width	350±3mm (13.78 inches)
	Container Height	339±3mm (13.35 inches)
	Total Height (with Terminal)	349±3mm (13.74 inches)
Approx Weight	Approx 121.0Kg (266.8lbs)	
Terminal	T11	
Container Material	ABS	
Rated Capacity	2100.0 AH/105.0A	(20hr, 1.80V/cell, 25°C/77°F)
	2000.0 AH/200.0A	(10hr, 1.80V/cell, 25°C/77°F)
	1740.0 AH/348.0A	(5hr, 1.75V/cell, 25°C/77°F)
	1512.0 AH/504.0A	(3hr, 1.75V/cell, 25°C/77°F)
	1214.0 AH/1214.0A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	16000A (5s)	
Internal Resistance	Approx 0.28mΩ	
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 600.0A. 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	1533.6	1216.0	998.0	599.5	463.3	380.5	324.0	283.0	228.0	191.0	101.3
1.80V/cell	1645.5	1279.3	1060.0	632.4	486.0	397.5	337.6	295.7	236.8	200.0	105.0
1.75V/cell	1742.5	1345.2	1106.0	658.6	504.0	411.0	348.0	302.7	241.3	202.0	106.1
1.70V/cell	1828.4	1395.9	1144.7	678.0	517.3	420.0	354.0	308.0	245.0	204.0	107.1
1.65V/cell	1917.9	1456.7	1186.0	698.4	528.7	429.0	361.6	313.3	248.5	206.6	108.5
1.60V/cell	/	1496.0	1214.0	715.0	540.0	435.0	366.8	317.7	251.8	209.0	109.7

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

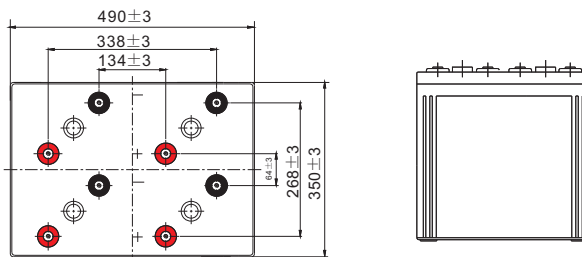
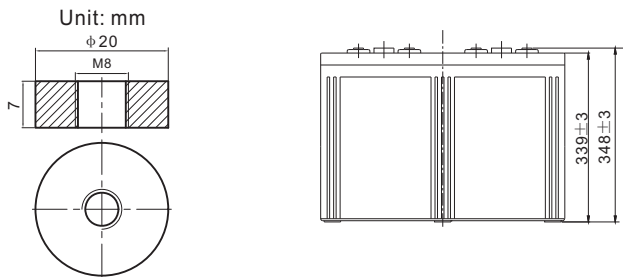
F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	2930.8	2338.0	1930.4	1166.0	905.5	746.3	638.3	559.2	452.4	379.9	201.7
1.80V/cell	3119.4	2443.5	2038.9	1224.3	945.3	777.0	662.1	581.9	468.4	397.2	208.7
1.75V/cell	3278.2	2554.3	2118.0	1269.9	977.8	800.6	680.2	593.8	476.2	400.7	210.6
1.70V/cell	3410.8	2632.0	2180.6	1301.8	999.9	814.8	689.9	603.4	483.1	404.4	212.5
1.65V/cell	3551.2	2731.3	2246.4	1335.3	1017.3	829.5	702.2	611.9	488.8	408.9	215.0
1.60V/cell	/	2778.8	2283.5	1358.5	1033.7	837.4	709.5	618.5	494.2	412.9	217.1

Specifications subject to change without notice.

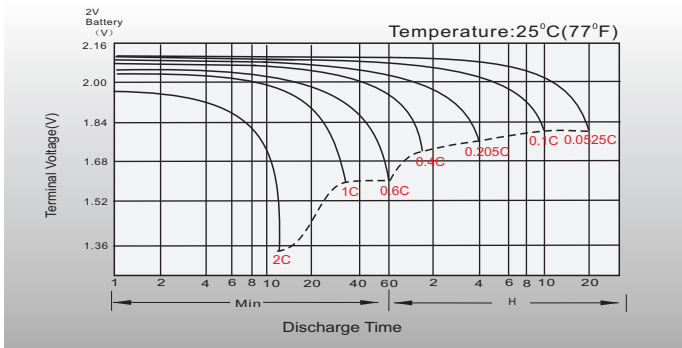


Dimensions

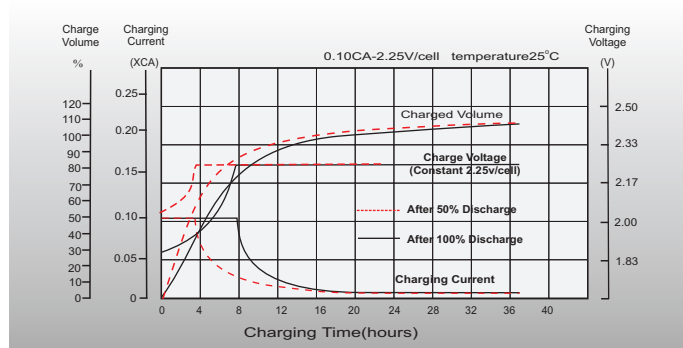
T11 Terminal



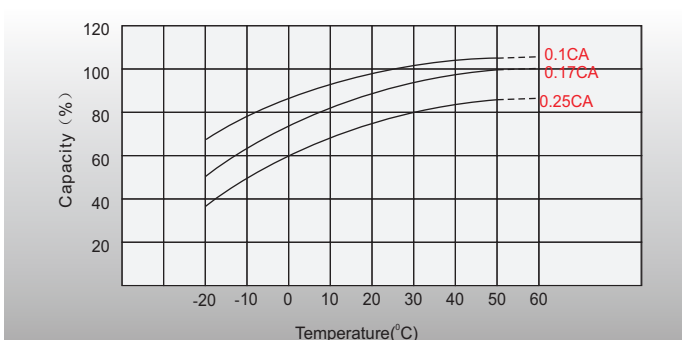
Discharge Characteristics



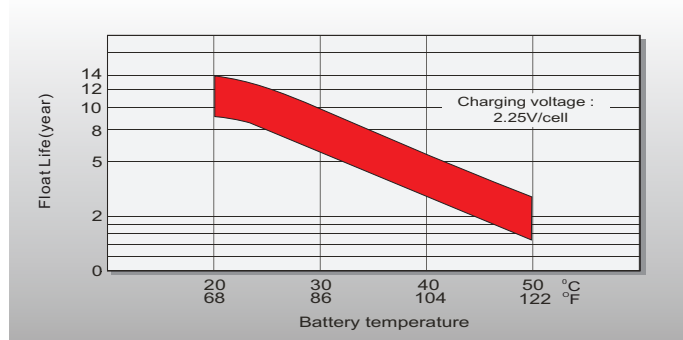
Float Charging Characteristics



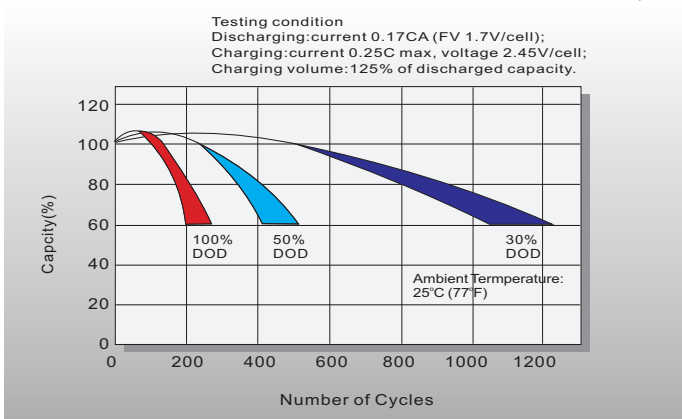
Temperature Effects in Relation to Battery Capacity



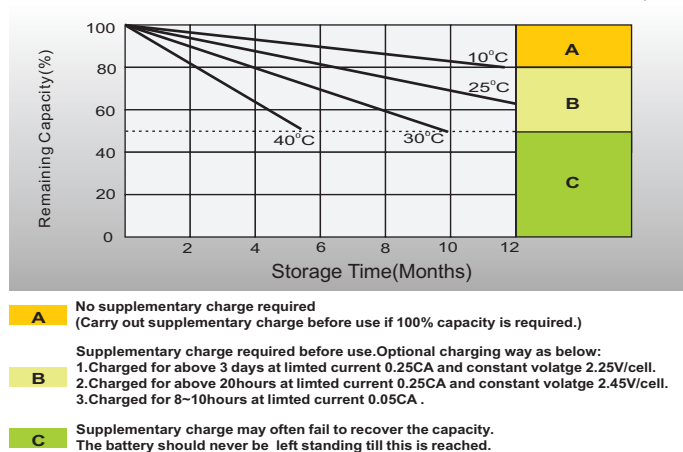
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



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