

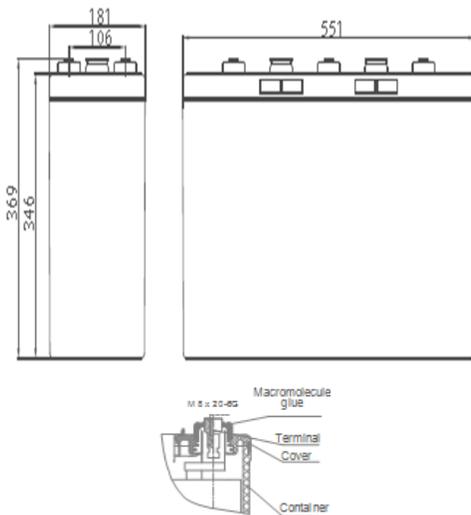


HIGH

PERFORMANCE

LC 2-1500

VALVE REGULATED LEAD CARBON
2V FLAT PASTED PLATE
BATTERY



Innovative Features

- ◆ 20+ years design life;
- ◆ Unique super lead carbon technology, deep cycle battery design;
- ◆ Negative electrode with highly conductive carbon material, reduced sulfation of negative plate;
- ◆ Outstanding PSOC (partial state of charge) cycle performance;
- ◆ 5~8 times cycle life between 30 and 70 percent state-of-charge compared with normal VRLA, without fear of becoming sulfated;
- ◆ Excellent recharge acceptance performance, recharge fast after deep discharge;
- ◆ Excellent quick charge performance, reduce charging time by 30%~50%;
- ◆ Wide operating temperature range: -40°C to +80°C;
- ◆ Low self-discharge rate <3%/month;
- ◆ Complies with IEC60896, IEC61427 standards;

Performance Specifications

Normal Voltage	2V
Capacity	1500Ah @ 10hr to 1.80V per cell @ 25°C (77°F)
Dimension	Length x Width x Height x Total Height: 551x181x369x388 (mm)
Weight	85.5kg (188lbs)
Internal Resistance	Approx. 0.20 mΩ
Short Circuit Current	12375A
Self Discharge @ 25°C (77°F)	No more than 3% after 30 days storage
Applicable Operating Temperature Range	-40°C~80°C (-40°F~176°F)
Ideal Operating Temperature Range	20°C~30°C (68°F~86°F)
Maximum Charge Current	300A
Charging Voltage @ 25°C (77°F)	Float: 2.25V, Temps coefficient -3 mV/°C Cycle: 2.35V, Temps coefficient -3 mV/°C
Contain Materials	ABS
Terminal Type	F-M8



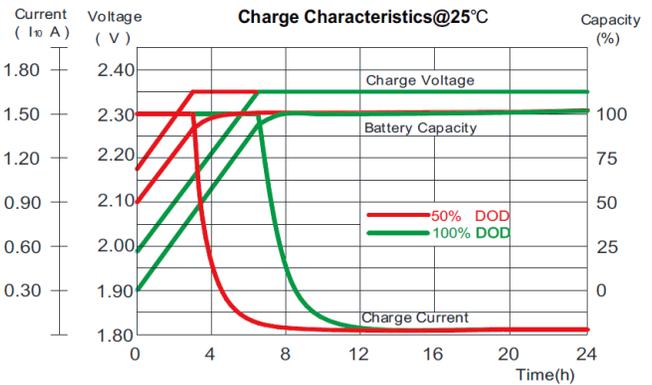
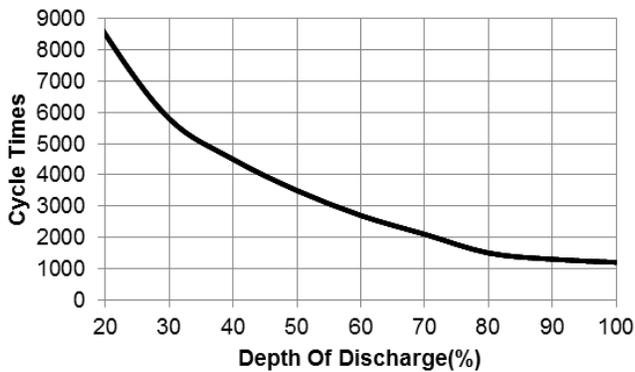
Constant Current Discharge Characteristics - Watts Per Cell @ 25°C (77°F)

Final VPC	Discharge Time In Minutes			Discharge Time In Hours								
	15	30	60	2	3	5	8	10	20	48	72	100
1.80	2505	1971	1382	741	591	404	309	263	138	59.0	41.6	31.5
1.75	2751	2217	1521	783	624	419	327	276	143	61.4	43.8	33.2
1.67	2886	2298	1554	809	645	431	335	282	146	62.4	44.7	33.8

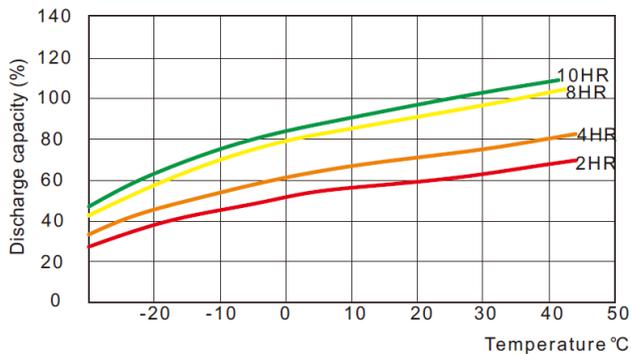
Constant Power Discharge Characteristics - Amperes @ 25°C (77°F)

Final VPC	Discharge Time In Minutes			Discharge Time In Hours								
	15	30	60	2	3	5	8	10	20	48	72	100
1.80	1483	1094	740	463	369	263	186	152	82.9	35.4	24.7	18.6
1.75	1688	1229	819	490	391	273	191	155	85.9	36.7	25.2	19.1
1.67	1853	1309	874	505	403	279	195	158	87.4	37.3	25.9	19.6

Cycle life vs. Depth of Discharge at 25°C (77°F)



Capacity at Different Temperature



Self-discharge at Different Temperature

