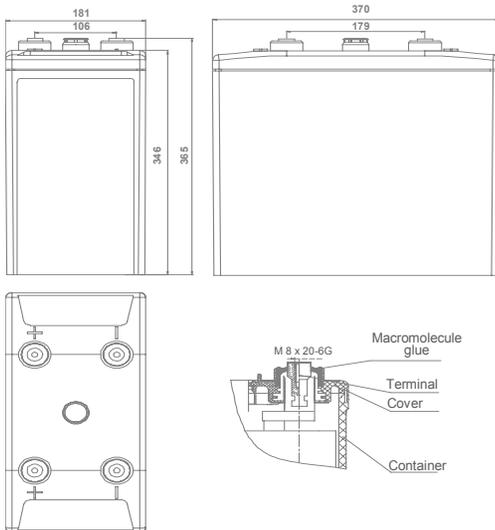




HIGH PERFORMANCE LC 2-1000

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	1000Ah @ 10hr to 1.80V per cell @ 25°C (77°F)
Dimension	Length x Width x Height x Total Height: 370x181x346x365 (mm)
Weight	55.0kg (121lbs)
Internal Resistance	Approx. 0.27 mΩ
Short Circuit Current	7900A
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	200A
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



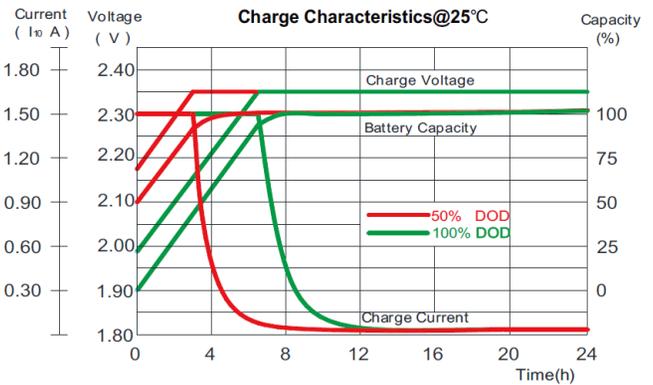
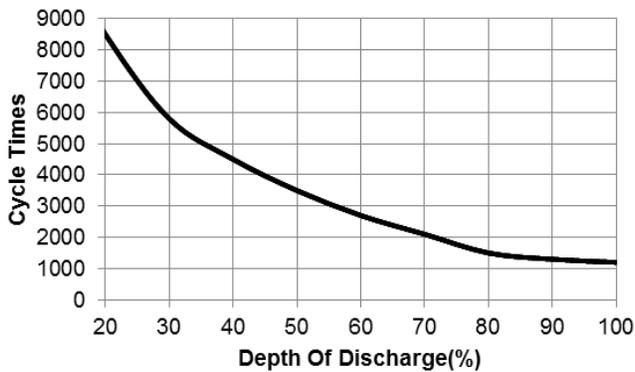
Constant Current Discharge Characteristics - Watts Per Cell @ 25°C (77°F)

Final VPC	Discharge Time In Minutes			Discharge Time In Hours								
	15	30	60	2	3	5	8	10	20	48	72	100
1.80	2087	1642	1150	618	493	336	258	218	115	49.20	34.6	26.2
1.75	2293	1848	1267	652	520	348	273	230	119	51.10	36.5	27.6
1.67	2406	1916	1295	675	538	359	279	235	121	52.00	37.3	28.2

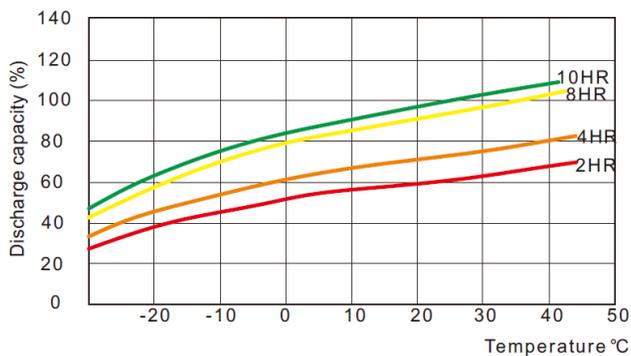
Constant Power Discharge Characteristics - Amperes @ 25°C (77°F)

Final VPC	Discharge Time In Minutes			Discharge Time In Hours								
	15	30	60	2	3	5	8	10	20	48	72	100
1.80	965	711	481	302	241	173	121	102	55.0	23.8	16.2	12.2
1.75	1097	798	532	320	255	179	126	106	57.1	24.4	16.8	12.7
1.67	1205	851	569	330	263	183	129	108	58.1	24.8	17.1	13.0

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



Capacity at Different Temperature



Self-discharge at Different Temperature

