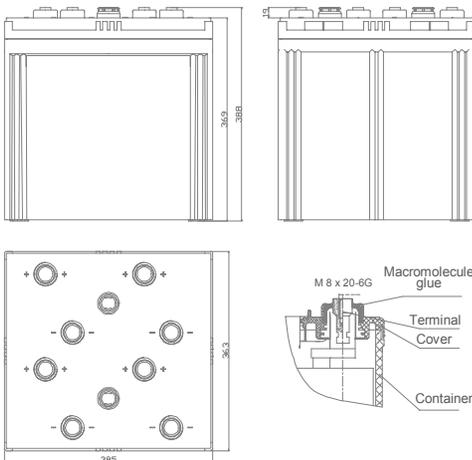




HIGH PERFORMANCE LC 2-2000

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	2000Ah @ 10hr to 1.80V per cell @ 25°C (77°F)
Dimension	Length x Width x Height x Total Height: 385x363x369x388 (mm)
Weight	114kg (250lbs)
Internal Resistance	Approx. 0.18 mΩ
Short Circuit Current	16200A
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	400A
Charging Voltage @ 25°C (77°F)	Float: 13.5V, Temps coefficient -18 mV/°C Cycle: 14.1V, Temps coefficient -18 mV/°C
Contain Materials	ABS
Terminal Type	F-M8



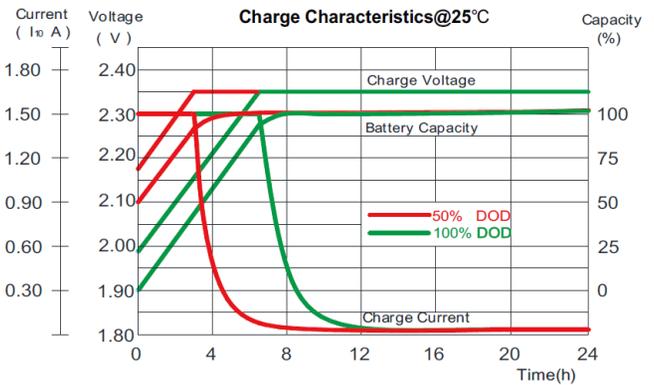
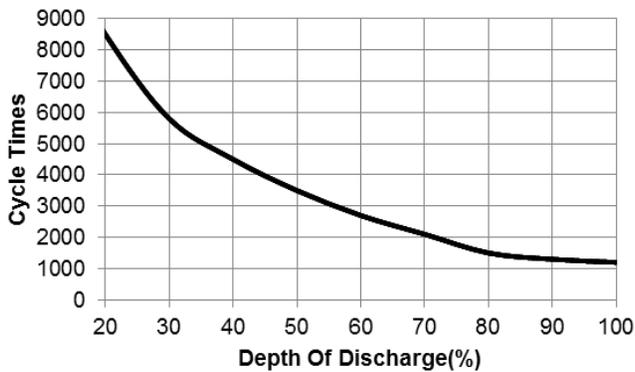
Constant Current Discharge Characteristics - Watts Per Cell @ 25°C (77°F)

Final VPC	Discharge Time In Minutes			Discharge Time In Hours								
	15	30	60	2	3	5	8	10	20	48	72	100
1.80	4174	3284	2301	1236	986	672	516	436	230	98.40	69.2	52.4
1.75	4586	3695	2533	1304	1040	696	546	460	238	102	73.0	55.2
1.67	4812	3833	2590	1349	1076	718	558	470	242	104	74.6	56.4

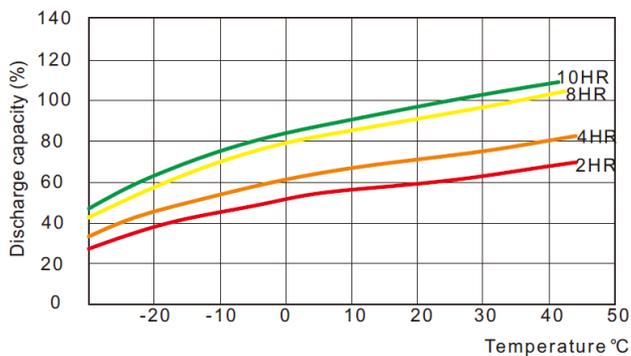
Constant Power Discharge Characteristics - Amperes @ 25°C (77°F)

Final VPC	Discharge Time In Minutes			Discharge Time In Hours								
	15	30	60	2	3	5	8	10	20	48	72	100
1.80	1930	1422	962	604	482	346	242	204	110	47.6	32.4	24.4
1.75	2194	1596	1064	640	510	358	252	212	114	48.8	33.6	25.4
1.67	2410	1702	1138	660	526	366	258	216	116	49.6	34.2	26.0

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



Capacity at Different Temperature



Self-discharge at Different Temperature

