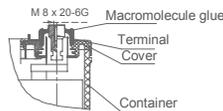
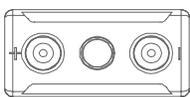
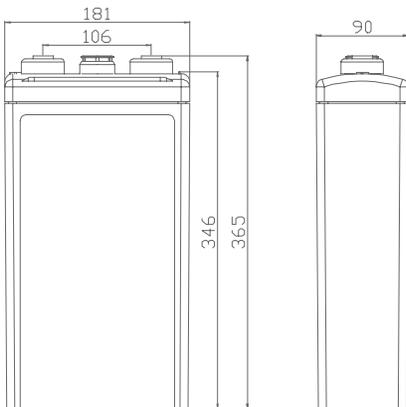




HIGH PERFORMANCE LC 2-200

VALVE REGULATED LEAD CARBON
2V FLAT PASTED PLATE
BATTERY

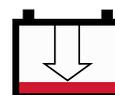
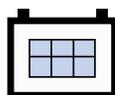


Innovative Features

- ◆ 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	200Ah @ 10hr to 1.80V per cell @ 25°C (77°F)
Dimension	Length x Width x Height x Total Height: 90x181x346x365 (mm)
Weight	12.5kg (27.5lbs)
Internal Resistance	Approx. 0.6 mΩ
Short Circuit Current	1620A
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	40A
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



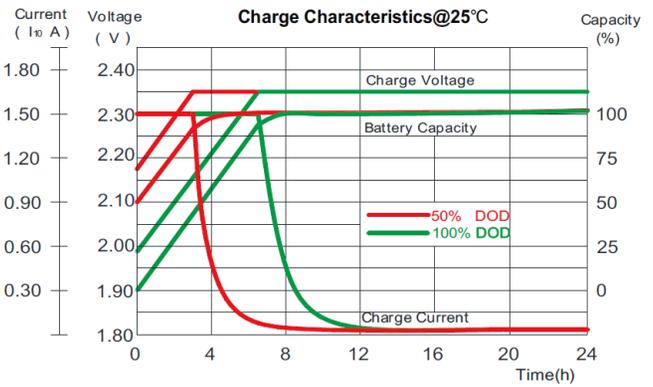
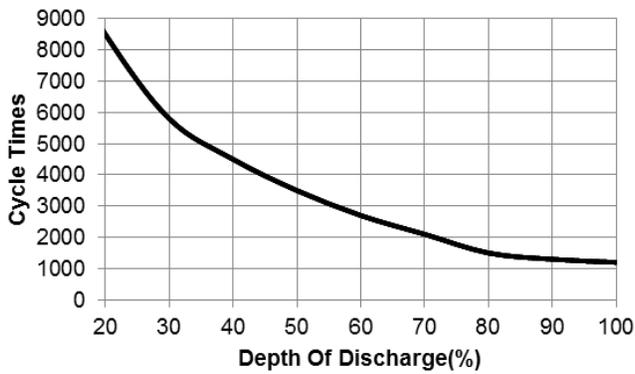
Constant Current Discharge Characteristics - Watts Per Cell @ 25°C (77°F)

Final VPC	Discharge Time In Minutes			Discharge Time In Hours								
	15	30	60	2	3	5	8	10	20	48	72	100
1.80	424	334	234	125	100	67.3	47.4	39.4	23.0	9.90	6.25	4.73
1.75	466	376	257	132	106	70.0	48.7	41.4	23.8	10.10	6.57	4.96
1.67	489	390	263	137	109	71.9	50.8	42.0	24.2	10.30	6.67	5.04

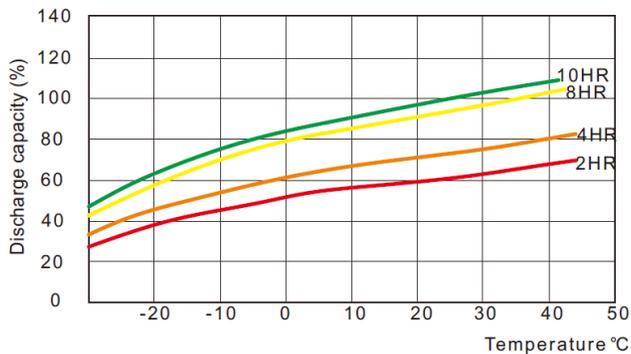
Constant Power Discharge Characteristics - Amperes @ 25°C (77°F)

Final VPC	Discharge Time In Minutes			Discharge Time In Hours								
	15	30	60	2	3	5	8	10	20	48	72	100
1.80	198	146	98.6	61.8	49.3	35.1	24.8	20.7	11.1	4.73	3.28	2.48
1.75	225	164	109	65.4	52.1	36.4	25.5	21.2	11.5	4.89	3.36	2.54
1.67	247	174	117	67.4	53.7	37.2	26.0	21.8	11.7	4.98	3.45	2.61

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



Capacity at Different Temperature



Self-discharge at Different Temperature

