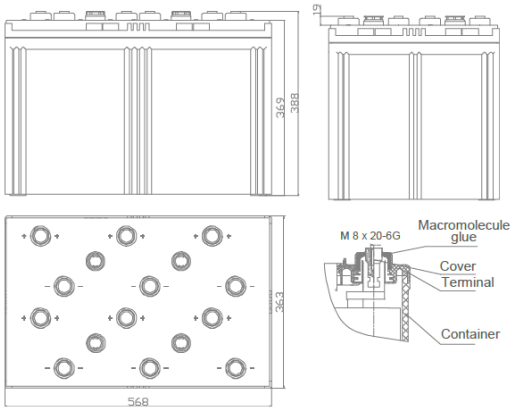
EverExceed®
power your applications

Lead Carbon Range VRLA

HIGH PERFORMANCE

LC 2-3000

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	3000Ah @ 10hr to 1.80V per cell @ 25°C (77°F)
Dimension	Length x Width x Height x Total Height: 568x363x369x388 (mm)
Weight	172kg (378lbs)
Internal Resistance	Approx. 0.13 mΩ
Short Circuit Current	24200A
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	600A
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

ISO 9001 14001 CE IEC Pb

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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	6261	4926	3451	1855	1479	1008	774	654	345	148	104	78.6
1.75	6878	5543	3800	1956	1560	1044	819	690	357	153	110	82.8
1.67	7217	5749	3885	2024	1614	1077	837	705	363	156	112	84.6

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	2895	2133	1443	907	723	519	363	306	165	71.4	48.6	36.6
1.75	3291	2394	1596	959	765	537	378	318	171	73.2	50.4	38.1
1.67	3615	2553	1707	989	789	549	387	324	174	74.4	51.3	39.0