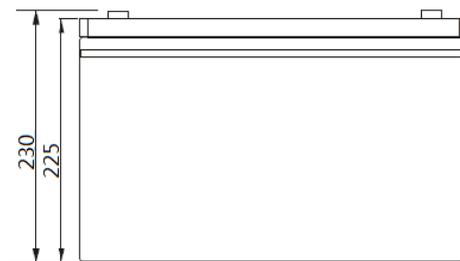
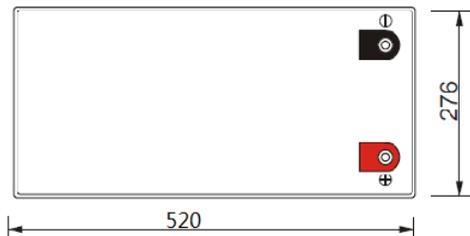




HIGH PERFORMANCE

LC 12-250

VALVE REGULATED LEAD CARBON
12V FLAT PASTED PLATE
BATTERY



Innovative Features

- 15+ 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	12V
Capacity	250Ah @ 10hr to 1.80V per cell @ 25°C (77°F)
Dimension	Length x Width x Height x Total Height: 520x276x225x230(mm)
Weight	77.0kg (169lbs)
Internal Resistance	Approx. 2.2 mΩ
Short Circuit Current	3600A
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	50A
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

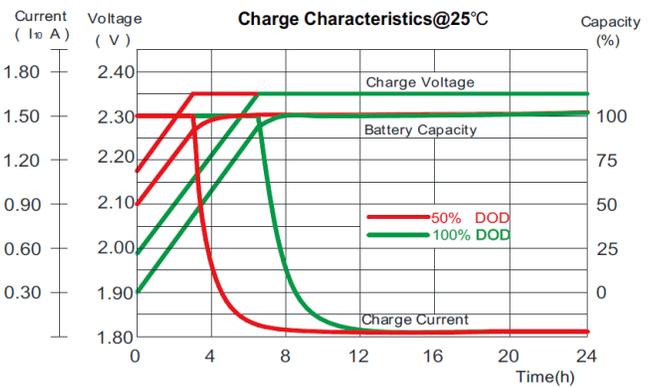
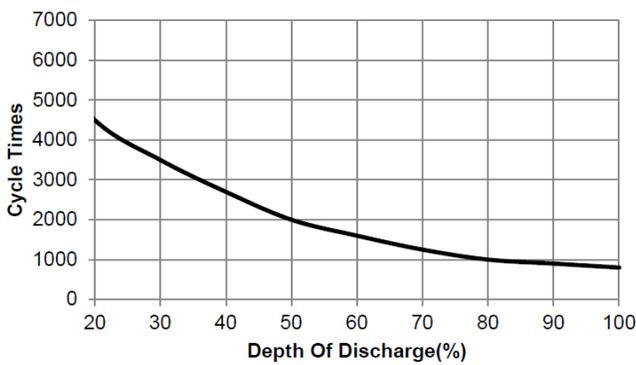
Constant Current Discharge Characteristics - Watts Per Cell @ 25°C (77°F)

Final VPC	Discharge Time In Minutes						Discharge Time In Hours									
	5	10	15	20	30	45	1	2	3	4	5	6	8	10	20	
1.80	1025	804	699	594	447	325	267	165	123	98.8	83.1	73.1	59.2	50.4	26.5	
1.75	1099	847	734	622	466	338	276	170	126	101	84.2	74.2	60.0	50.8	26.7	
1.67	1189	893	773	660	497	358	290	177	130	104	86.5	76.2	61.2	51.5	27.0	

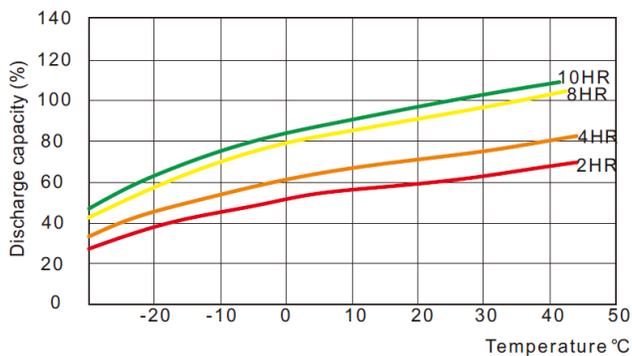
Constant Power Discharge Characteristics - Amperes @ 25°C (77°F)

Final VPC	Discharge Time In Minutes						Discharge Time In Hours									
	5	10	15	20	30	45	1	2	3	4	5	6	8	10	20	
1.80	559	431	374	315	234	171	140	84.7	63.3	50.5	42.3	37.1	29.9	25.4	13.4	
1.75	606	458	392	331	245	179	145	87.4	64.5	51.7	43.1	37.8	30.5	25.8	13.5	
1.67	676	497	416	355	265	191	153	91.7	67.2	53.2	44.7	38.8	31.3	26.3	13.8	

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



Capacity at Different Temperature



Self-discharge at Different Temperature

