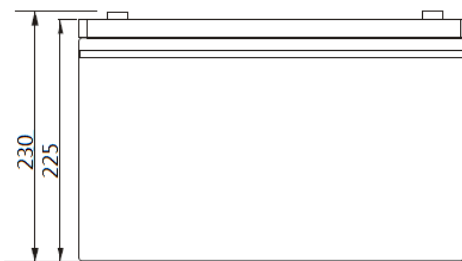
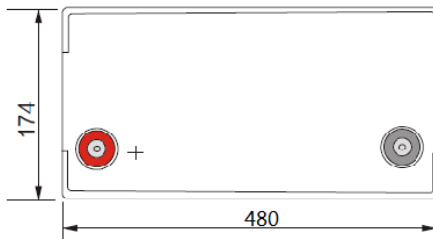




**HIGH**

**PERFORMANCE**  
**LC 12-150**

**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**

<b>Normal Voltage</b>	12V
<b>Capacity</b>	150Ah @ 10hr to 1.80V per cell @ 25°C (77°F)
<b>Dimension</b>	Length x Width x Height x Total Height: 480x174x225x230 (mm)
<b>Weight</b>	45.0kg (99.0lbs)
<b>Internal Resistance</b>	Approx. 3.3 mΩ
<b>Short Circuit Current</b>	2160A
<b>Self Discharge @ 25°C (77°F)</b>	No more than 3% after 30 days storage
<b>Applicable Operating Temperature Range</b>	-40°C~80°C (-40°F~176°F )
<b>Ideal Operating Temperature Range</b>	20°C~30°C (68°F~86°F)
<b>Maximum Charge Current</b>	30A
<b>Charging Voltage @ 25°C (77°F)</b>	Float: 13.5V, Temps coefficient -18 mV/°C Cycle: 14.1V, Temps coefficient -18 mV/°C
<b>Contain Materials</b>	ABS
<b>Terminal Type</b>	F-M8



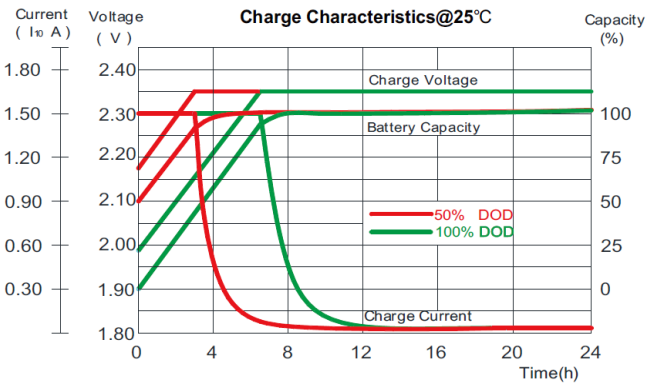
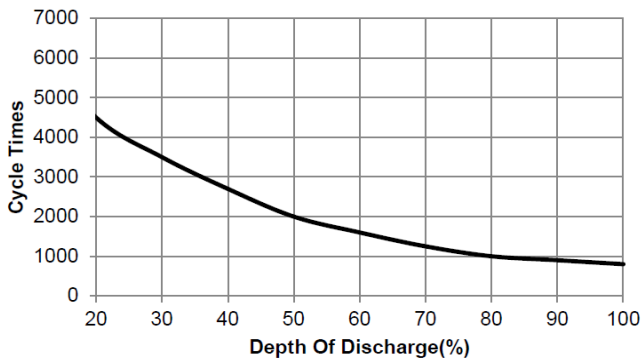
Constant Current Discharge Characteristics - Watts Per Cell @ 25°C (77°F)

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	615	482	420	357	268	195	160	99	74.1	59.3	49.8	43.8	35.5	30.2	15.9	
1.75	660	508	441	373	280	203	166	102	75.5	60.5	50.5	44.5	36.0	30.5	16.0	
1.67	713	536	464	396	298	215	174	106	78.0	62.3	51.9	45.7	36.7	30.9	16.2	

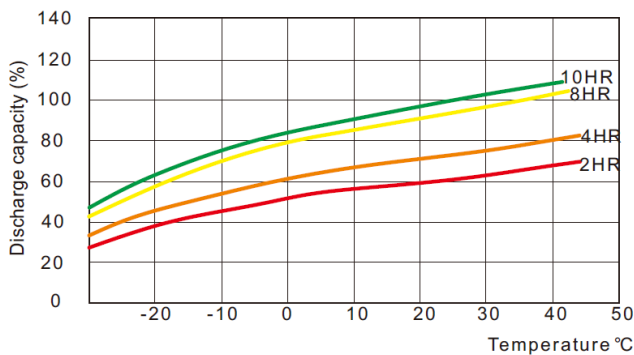
Constant Power Discharge Characteristics - Amperes @ 25°C (77°F)

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	335	258	223	189	140	102	83.9	50.6	37.9	30.2	25.3	22.2	17.9	15.2	8.00	
1.75	362	274	235	198	147	107	86.9	52.3	38.6	30.9	25.8	22.6	18.2	15.4	8.10	
1.67	404	297	249	212	158	114	91.8	54.8	40.2	31.8	26.7	23.2	18.7	15.7	8.30	

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



Capacity at Different Temperature



Self-discharge at Different Temperature

