

# INDUSTRIAL BATTERY - VRLA-AGM BATTERY - SMALL SERIES

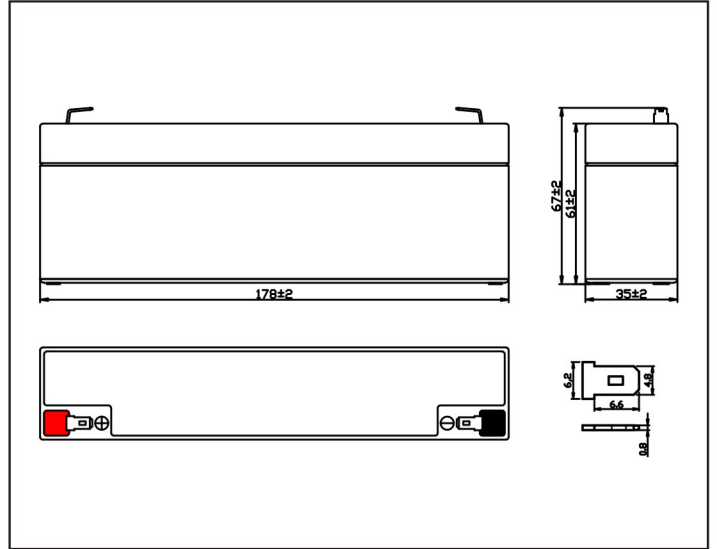
## MODEL: CB1222-F1 12V2.2AH



Container Color  
 ■ Black C  
 ■ Grey 3 C

### Plane Chart:

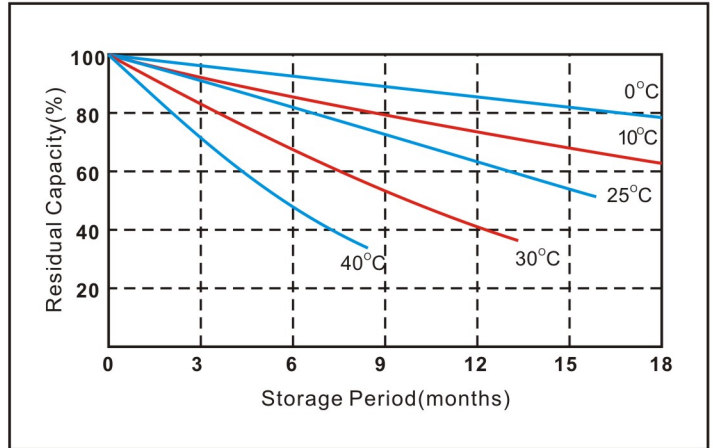
Unit:(mm) Terminal type:(F0)



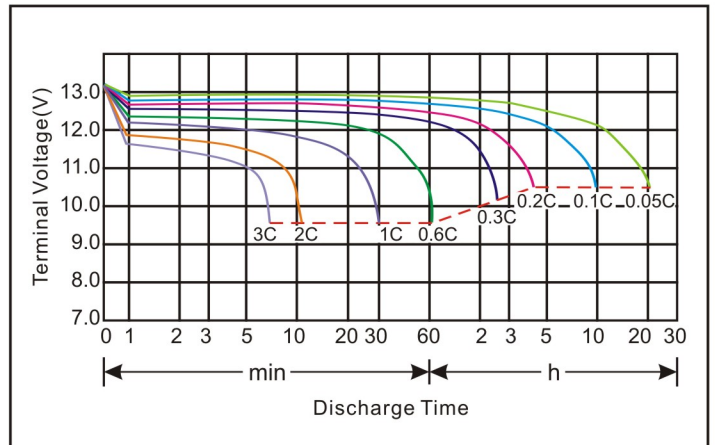
### Parameter Chart:

Volts		12V	
Capacity(25°C)	20 hours rate (0.11A)	2.2Ah	
Discharge Current Testing (25°C)	20 I <sub>20</sub> rate (2.2A,27min)	30min	
	60 I <sub>20</sub> rate (6.6A,7min)	7min	
Internal Resistance	Full Charged Battery 25°C	60mΩ	
Capacity Affected By Temperature	40°C	104%	
	25°C	100%	
	0°C	83%	
	-15°C	65%	
Residual Capacity (25°C)	Capacity After 3 Months Storage	91%	
	Capacity After 6 Months Storage	82%	
	Capacity After 12 Months Storage	65%	
Charge (Constant Voltage)	Cycle (25°C)	Initial Charging Current Less Than 0.66A Voltage 14.5~14.9V	
	Float (25°C)	Charge Voltage 13.6~13.8V	
Weight±3%		0.91Kg	

### Residual Capacity



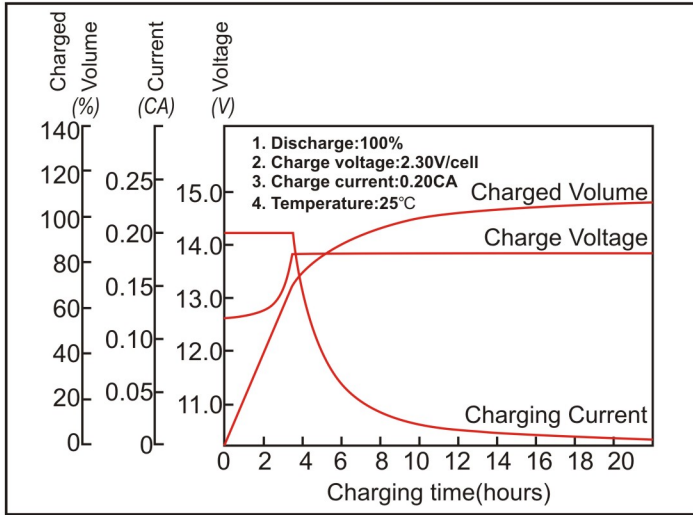
### Discharge Current 25°C



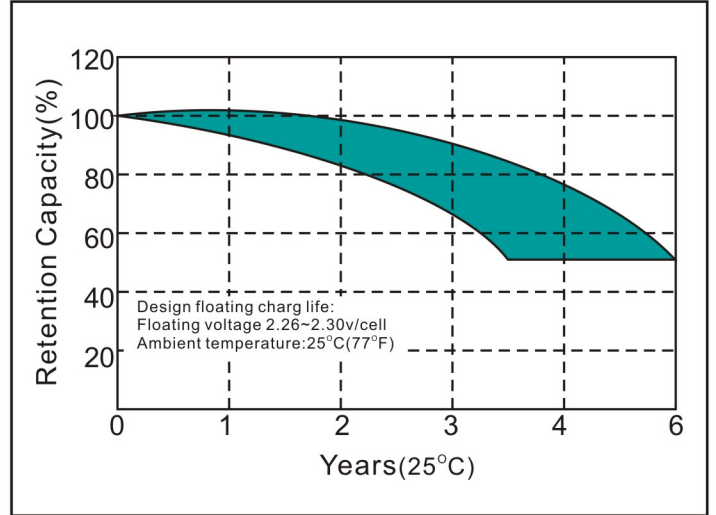
★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

**MODEL: CB1222-F1 12V2.2AH**

**Constant voltage charging characteristics**



**Float Life**



**Constant Current Discharge Characteristics (A, 25°C)**

F.V/Time	5min	10min	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	7.43	4.74	3.97	3.25	2.46	1.42	0.82	0.628	0.498	0.425	0.287	0.243	0.133
10.02V	7.15	4.58	3.87	3.13	2.40	1.38	0.81	0.618	0.491	0.421	0.283	0.240	0.130
10.20V	7.07	4.50	3.81	3.10	2.37	1.36	0.80	0.615	0.488	0.418	0.281	0.238	0.128
10.50V	6.85	4.36	3.72	3.03	2.31	1.32	0.79	0.606	0.481	0.412	0.277	0.234	0.125
10.80V	6.58	4.22	3.63	2.94	2.26	1.28	0.78	0.595	0.473	0.405	0.273	0.230	0.122

**Constant Current Discharge Characteristics (Watt, 25°C)**

F.V/Time	5min	10min	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	78.9	53.6	45.6	37.7	28.5	16.61	9.64	7.41	5.90	5.06	3.43	2.92	1.61
10.02V	76.9	51.8	44.5	36.3	27.8	16.15	9.52	7.29	5.82	5.01	3.38	2.88	1.57
10.20V	76.7	51.1	43.9	36.0	27.5	15.91	9.40	7.26	5.78	4.97	3.36	2.86	1.55
10.50V	74.7	49.7	42.8	35.1	26.8	15.44	9.28	7.15	5.70	4.90	3.31	2.81	1.51
10.80V	72.7	48.3	41.7	34.1	26.2	14.98	9.17	7.02	5.61	4.82	3.26	2.76	1.48

**Capacity Factors With Different Temperature**

Battery Type		-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
Battery	12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%

★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.