

# INDUSTRIAL BATTERY - VRLA-AGM BATTERY - SMALL SERIES

## MODEL: CB1270-F2 12V7AH

Container Color

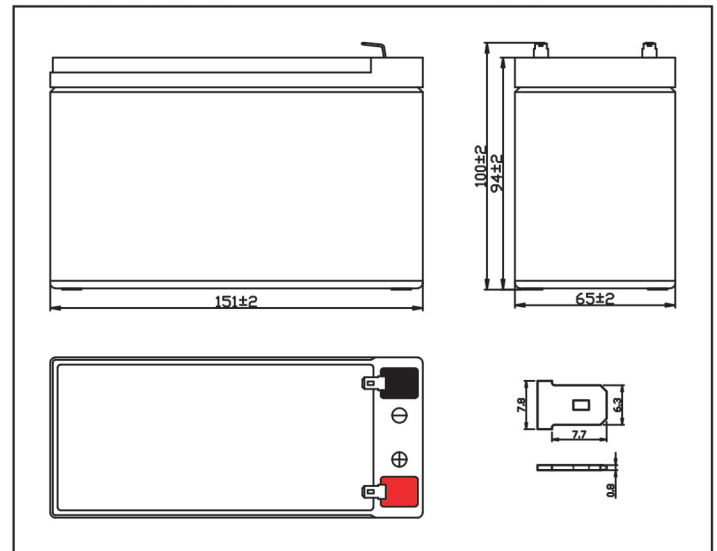
Black C

Grey 3 C



### Plane Chart:

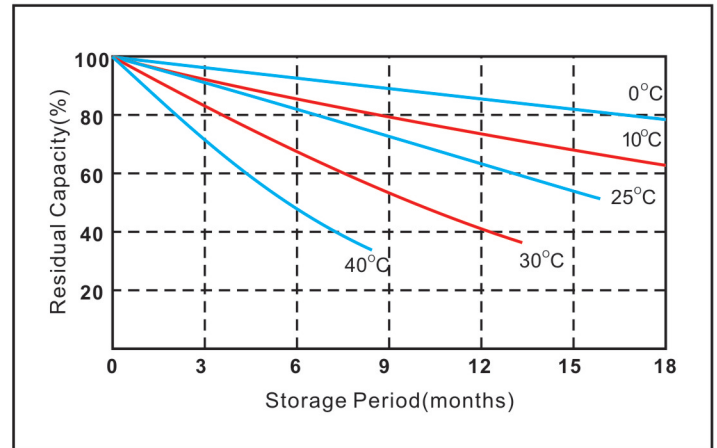
Unit:(mm) Terminal type:(F2)



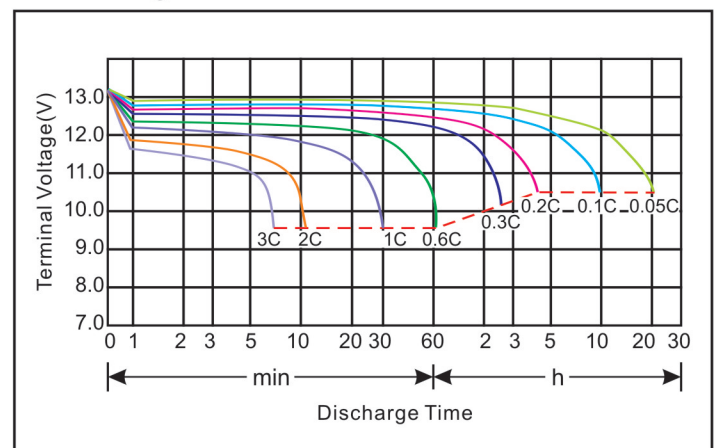
### Parameter Chart:

Volts		12V
Capacity(25°C)	20 hours rate (0.275A)	5.5Ah
Discharge Current Testing (25°C)	20 I <sub>20</sub> rate (5.5A,27min)	30min
	60 I <sub>20</sub> rate (16.5A,7min)	7min
Internal Resistance	Full Charged Battery 25°C	40mΩ
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 1.65A Voltage 14.5~14.9V
	Float (25°C)	Charge Voltage 13.6~13.8V
Weight±3%		1.95Kg

### Residual Capacity



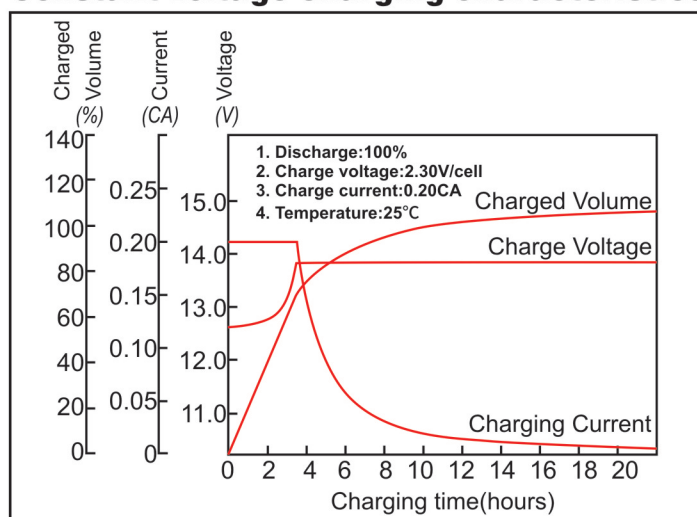
### Discharge Current 25°C



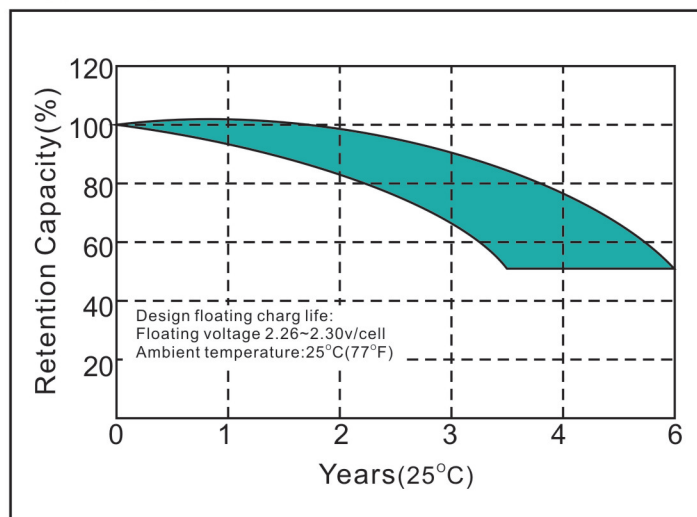
★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

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### 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	18.9	12.1	9.34	7.35	5.42	3.02	1.93	1.38	1.11	0.93	0.618	0.525	0.285
10.02V	17.9	11.5	9.03	7.15	5.32	2.96	1.90	1.36	1.09	0.92	0.610	0.518	0.280
10.20V	17.5	11.2	8.93	7.10	5.26	2.93	1.89	1.35	1.08	0.91	0.605	0.515	0.278
10.50V	16.7	10.6	8.70	6.90	5.13	2.85	1.86	1.33	1.06	0.90	0.597	0.510	0.275
10.80V	15.4	10.2	8.45	6.70	5.00	2.77	1.83	1.31	1.04	0.89	0.590	0.505	0.270

### 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	200.3	130.7	103.7	83.1	62.9	35.3	22.68	16.28	13.12	11.02	7.37	6.27	3.42
10.02V	190.6	124.8	100.2	80.8	61.7	34.6	22.33	16.05	12.88	10.80	7.27	6.18	3.36
10.20V	188.1	122.1	99.1	80.2	61.0	34.3	22.21	15.93	12.77	10.78	7.21	6.15	3.34
10.50V	181.2	116.1	96.6	78.0	59.5	33.3	21.86	15.69	12.53	10.67	7.12	6.09	3.30
10.80V	169.4	112.7	93.6	75.7	58.0	32.4	21.50	15.46	12.29	10.55	7.03	6.03	3.24

### 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.