

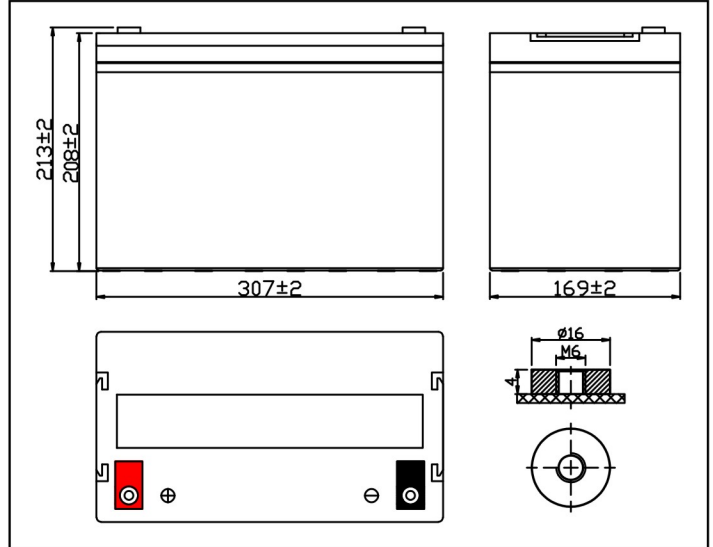
INDUSTRIAL BATTERY - VRLA-AGM BATTERY - MEDIUM AND LARGE SERIES

MODEL: CB121000-IT 12V100AH



Plane Chart:

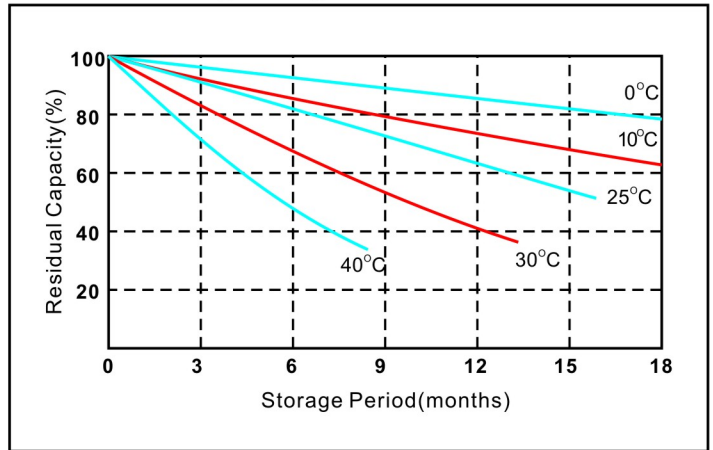
Unit:(mm) Terminal type:(T1)



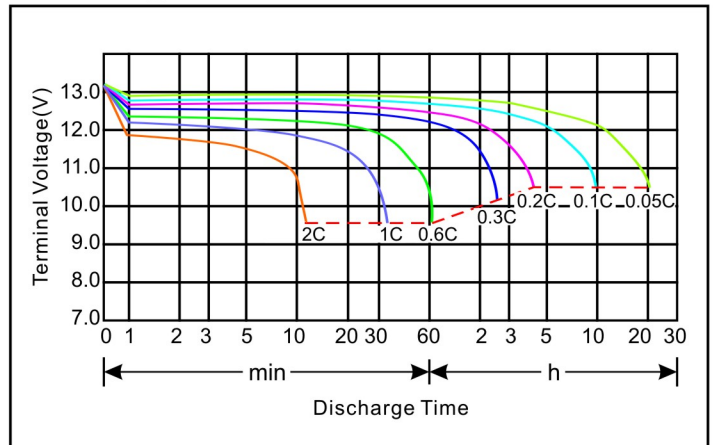
Parameter Chart:

Volts		12V	
Capacity(25°C)	10 hours rate (9A)	90Ah	
Discharge Current Testing (25°C)	1 hours rate (49.5A)	56Ah	
	3 hours rate (22.5A)	70Ah	
Internal Resistance	Full Charged Battery 25°C	6mΩ	
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 27A Voltage 14.5~14.9V	
	Float (25°C)	Charge Voltage 13.6~13.8V	
Weight±3%		27Kg	

Residual Capacity



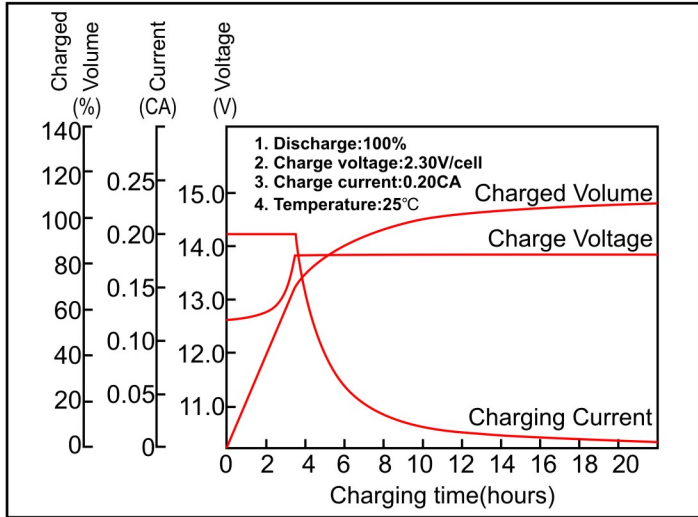
Discharge Current 25°C



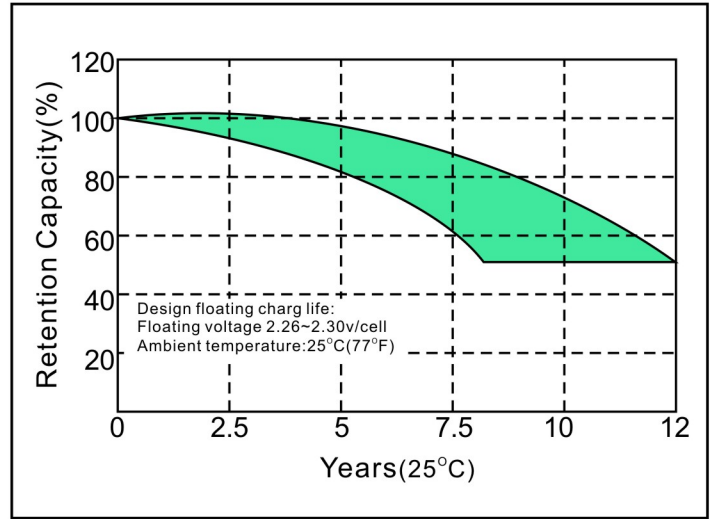
★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

MODEL: CB121000-IT 12V100AH

Constant voltage charging characteristics



Float Life



Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	10min	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	195	167	132	95.8	57.2	32.9	25.5	20.0	17.0	11.1	9.30	5.20
10.02V	182	160	127	93.4	56.2	32.6	25.1	19.6	16.8	11.0	9.20	5.14
10.20V	172	154	123	92.1	55.5	32.5	24.9	19.4	16.7	11.0	9.20	5.10
10.50V	162	147	118	89.8	54.1	32.2	24.4	19.0	16.5	10.9	9.10	5.00
10.80V	150	139	113	87.6	52.8	31.8	24.0	18.6	16.2	10.8	9.02	4.90

Constant Current Discharge Characteristics (Watt, 25°C)

F.V/Time	10min	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	2100.0	1856.0	1467.0	1069.1	645.2	385.0	298.4	236.0	201.0	131.9	110.5	62.1
10.02V	1992.0	1800.0	1428.8	1039.5	635.5	382.6	294.6	231.3	199.0	131.2	109.8	61.5
10.20V	1925.0	1722.0	1375.4	1027.8	629.4	381.0	292.8	228.9	197.6	130.7	109.3	60.9
10.50V	1825.0	1630.0	1308.4	1007.6	616.7	377.7	286.9	224.2	195.6	129.5	108.1	59.7
10.80V	1720.0	1560.0	1268.2	988.1	608.3	372.8	283.7	219.5	192.5	128.3	107.1	58.5

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%

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