

INDUSTRIAL BATTERY - VRLA-AGM BATTERY - SMALL SERIES

MODEL: CB12500-NB 12V50AH

Container Color

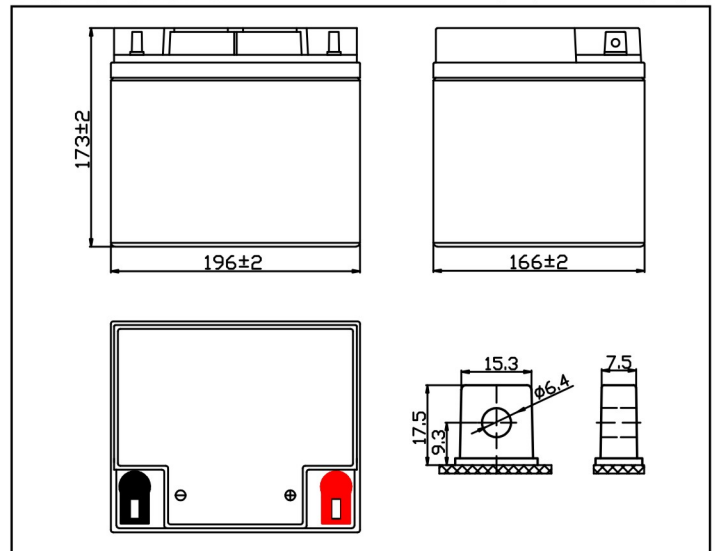
Black C

Grey 3 C



Plane Chart:

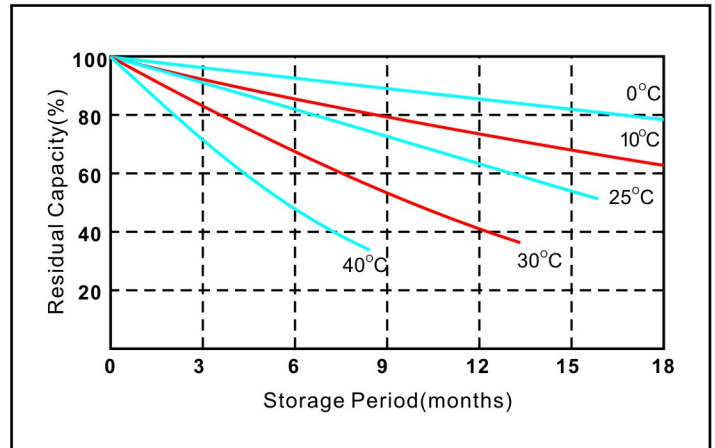
Unit:(mm) Terminal type:(B1)



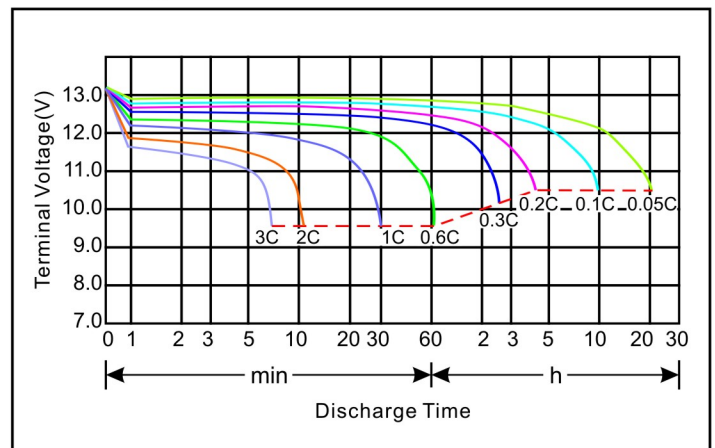
Parameter Chart:

Volts		12V
Capacity(25°C)	20 hours rate (2.1A)	42Ah
Discharge Current Testing (25°C)	20 I ₂₀ rate (42A,27min)	33min
	60 I ₂₀ rate (126A,7min)	7min
Internal Resistance	Full Charged Battery 25°C	9mΩ
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 12.6A Voltage 14.5~14.9V
	Float (25°C)	Charge Voltage 13.6~13.8V
Weight±3%		13.5Kg

Residual Capacity



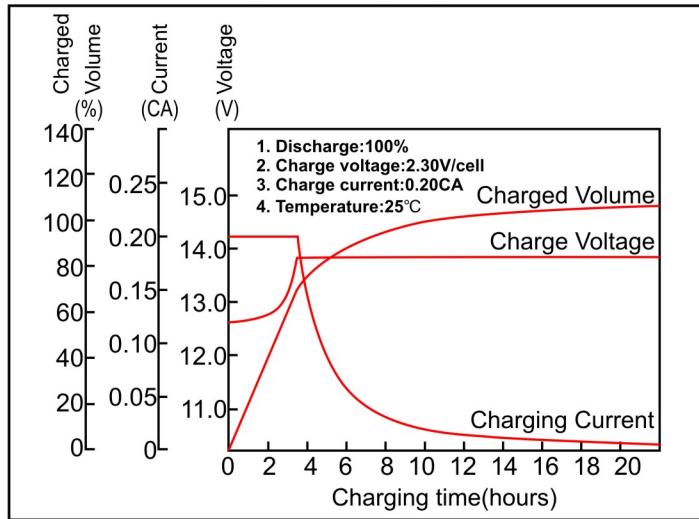
Discharge Current 25°C



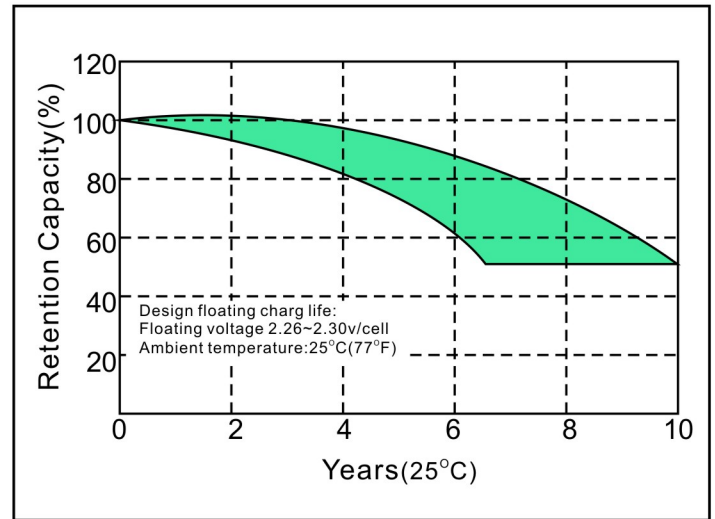
★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

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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	126.6	83.0	64.7	55.0	41.5	24.2	14.3	11.00	8.50	7.31	4.95	4.20	2.22
10.02V	119.5	80.1	63.0	53.6	40.1	23.6	14.2	10.90	8.42	7.25	4.86	4.13	2.17
10.20V	116.2	78.9	62.1	53.1	39.1	23.2	14.1	10.80	8.35	7.21	4.83	4.10	2.15
10.50V	108.6	74.8	60.6	51.5	37.6	22.6	14.0	10.60	8.22	7.14	4.78	4.05	2.10
10.80V	99.5	70.3	59.0	50.1	35.2	21.4	13.8	10.40	8.10	7.06	4.72	4.00	2.05

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	1321.6	879.8	698.5	605.0	481.4	284.1	168.4	129.8	100.5	86.6	58.7	50.0	26.6
10.02V	1257.1	857.1	683.6	592.3	465.2	277.1	167.3	128.6	99.5	85.8	57.6	49.1	26.0
10.20V	1238.7	851.7	676.6	589.4	453.6	272.4	166.3	127.4	98.7	85.4	57.3	48.8	25.8
10.50V	1172.9	815.3	665.2	574.2	436.2	265.3	164.9	125.1	97.2	84.5	56.7	48.2	25.2
10.80V	1104.7	773.3	655.3	561.1	408.3	251.2	162.8	122.7	95.7	83.6	56.0	47.6	24.6

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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