



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

MODEL: BAT0421

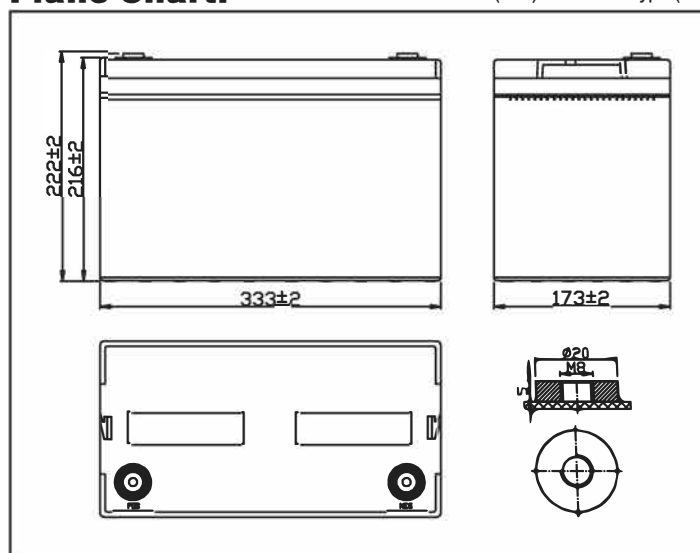
Container Color

■ Black C

■ Grey 3 C

Plane Chart:

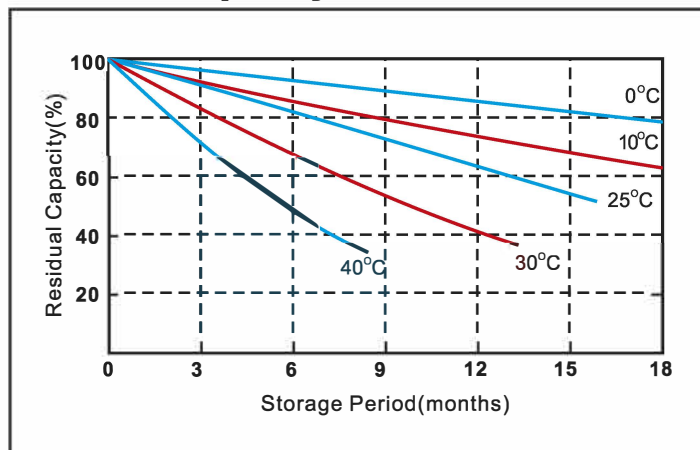
Unit:(mm) Terminal type:(T3)



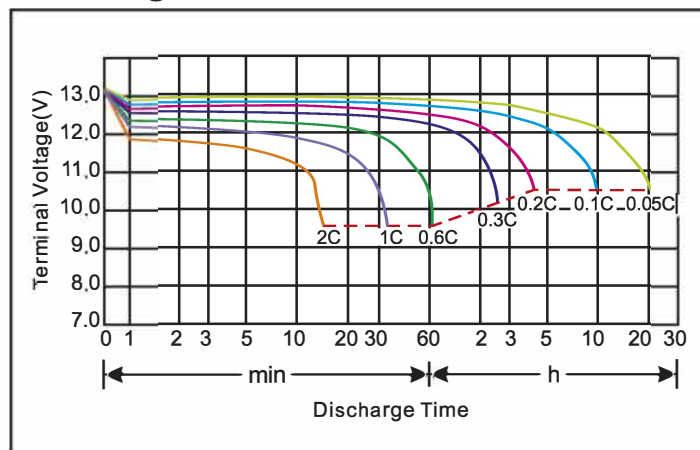
Parameter Chart:

Volts		12V
Capacity(25°C)	20 hours rate (4A)	100Ah
Discharge Current Testing (25°C)	1 hours rate (43.5A)	44Ah
	3 hours rate (18.5A)	56Ah
Internal Resistance	Full Charged Battery 25°C	7mΩ
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 24A Voltage 14.5~14.9V
	Float (25°C)	Charge Voltage 13.6~13.8V
Weight (Approx)		24.5Kg

Residual Capacity



Discharge Current 25°C

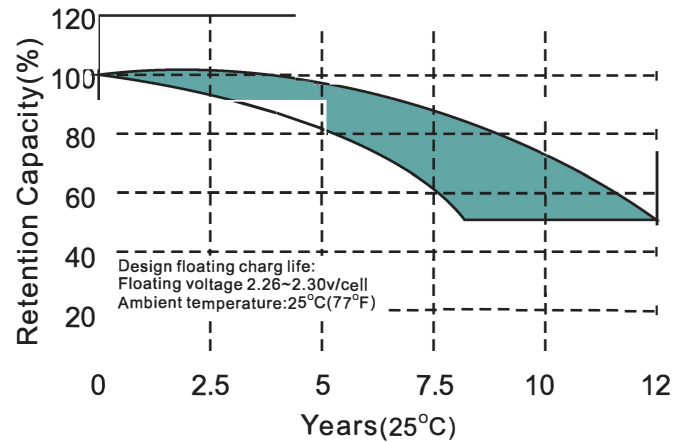
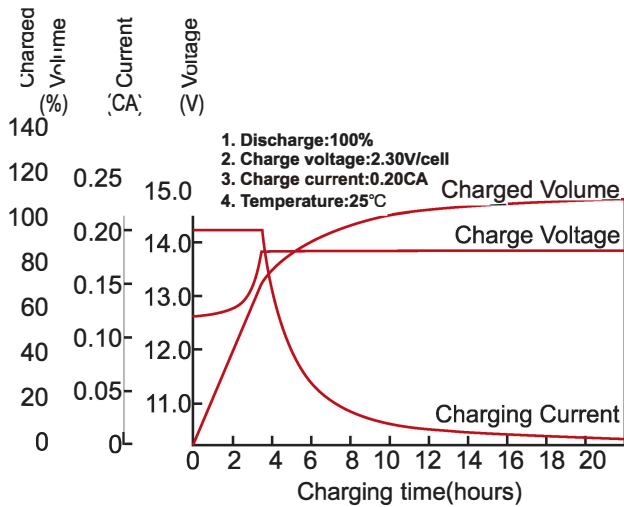


★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

VALVE REGULATED LEAD ACID BATTERY - MINI CAPACITY SERIES

Constant voltage charging characteristics

Float Life



Constant Current Discharge Characteristics(A,25°C)

F.V/Time	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	150.6	119.6	76.3	43.5	25.2	19.0	13.1	8.2	7.4	4.1
10.2V	142.8	115.2	73.8	42.1	24.3	18.5	13.0	8.1	7.4	4.0
10.5V	134.5	112.8	72.2	41.2	23.3	18.2	12.8	7.9	7.3	4.0
10.8V	125.5	110.2	70.3	40.1	22.1	17.7	12.7	7.8	7.2	3.9

Constant Power Discharge Characteristice(Watt,25°C)

F.V/Time	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	1584.1	1255.8	854.8	490.8	286.0	215.4	149.9	94.8	87.5	48.5
10.2V	1522.7	1231.0	828.4	483.1	277.7	210.9	149.5	94.1	87.0	47.6
10.5V	1443.9	1216.6	813.1	475.2	267.3	207.8	147.9	92.7	86.0	47.3
10.8V	1376.3	1193.7	794.2	465.9	254.8	205.2	147.5	91.8	84.8	46.1

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%	105%

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