



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

**MODEL:** BAT0421

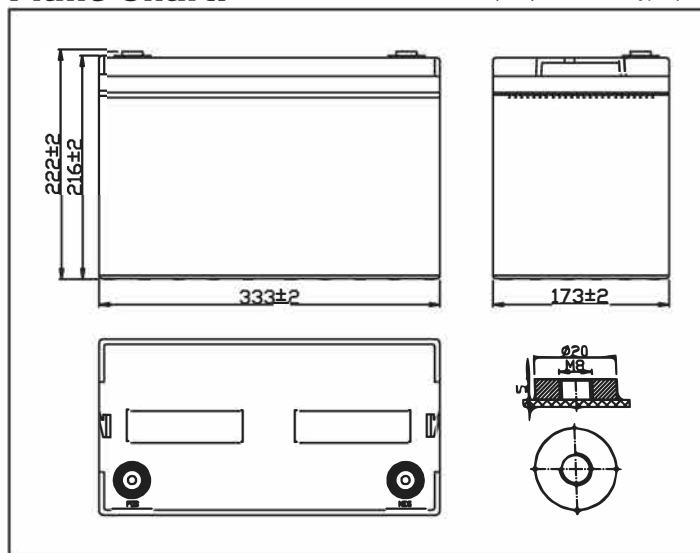
Container Color

■ Black C

■ Grey 3 C

## Plane Chart:

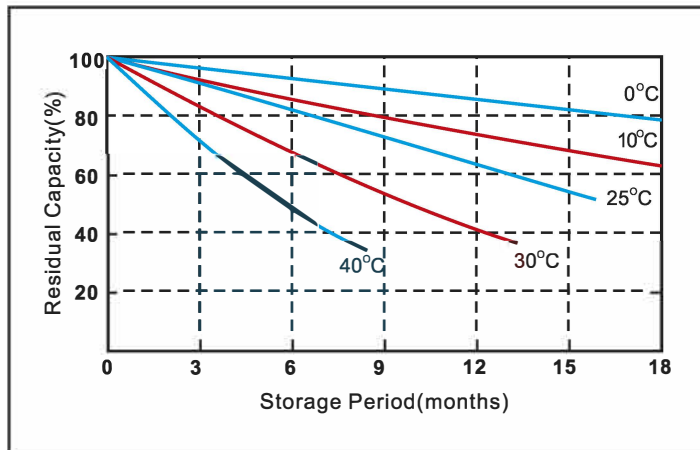
Unit:(mm) Terminal type:(T3)



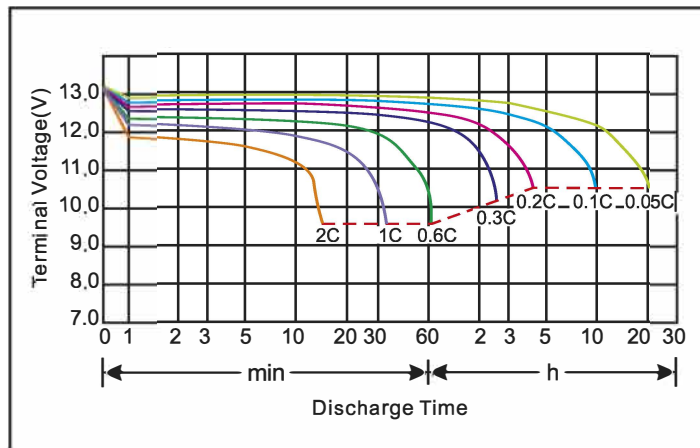
## Parameter Chart:

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

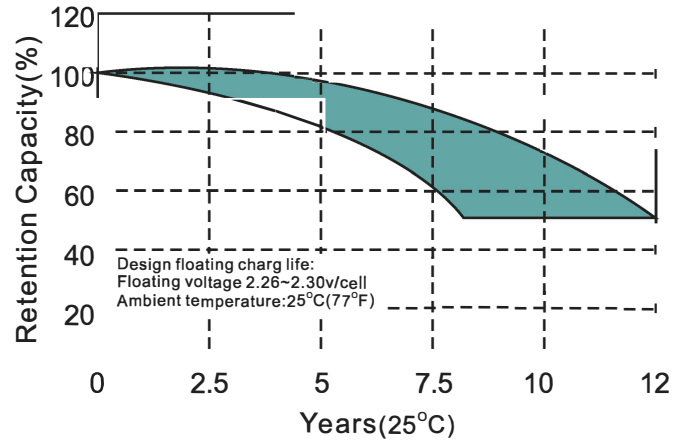
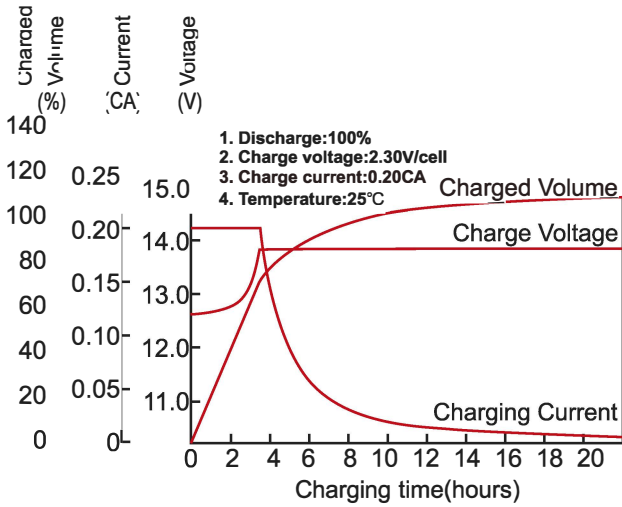


★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

# 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 Characteristic(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%

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