

A Reliable Power Solution Provider

GB12-200 (12V200Ah)

General Purpose AGM Battery-GB Series

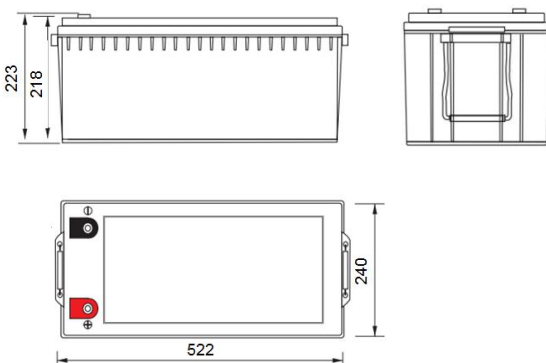


APPLICATION

- All purpose
- Electric Power System (EPS)
- Emergency lighting
- Railway signal, Aircraft signal
- Power tools
- Alarm and security system
- Electronic apparatus and equipment
- Auto control system

DIMENSION

Unit:mm

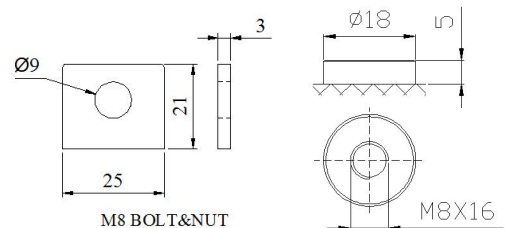


SPECIFICATION

Nominal Volatage:	12	V
Nominal Capacity:	200	Ah (C20@25°C)
Dimension(mm):	L 522	W 240 H 220 TH 244
Weight:	57.0	Kg
Rated Capacity	C20	200 Ah(10A 20 Hr,1.80V/cell)
	C5	173 Ah(34.6A 5 Hr,1.75V/cell)
	C1	128 Ah(128A 1 Hr,1.60V/cell)
Container Material:	ABS to UL94 HB (Optional UL94V-0 Flame Retardant Jars Available)	
Internal Resistance:	Approx	4 mΩ
Operation Temperature Range	Discharge:	-20°C ~+60°C (-4~140°F)
	Charge:	-10°C ~+60°C (14~140°F)
	Storage:	-20°C ~+60°C (-4~140°F)
Recommended Temp.:	15°C ~25°C (59~77°F)	
Charge Method	Float Voltage	13.5~13.8V @25°C, Temperature coefficient -18mV/°C
	Cycle Voltage	14.4~15.0V @25°C. Initial charge current less than 0.25C10A, Temperature coefficient -24mV/°C
Capacity affected by temperature	40°C	103%
	25°C	100%
	0°C	86%
	-15°C	65%
Self Discharge	<3%, The series stored at 25°C require a supplementary charge every six months, the charging interval would shrink when the ambient temperature went higher	
Design Life @20°C	10 Years	

TERMINAL

Unit:mm



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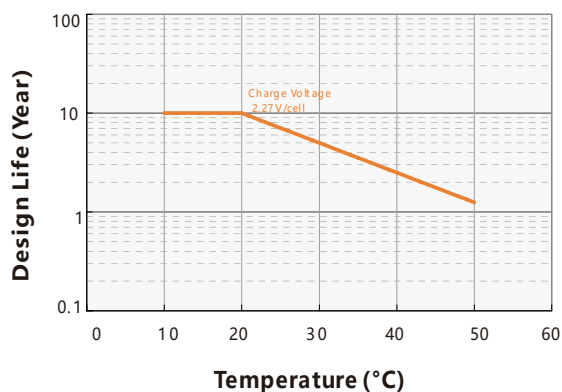
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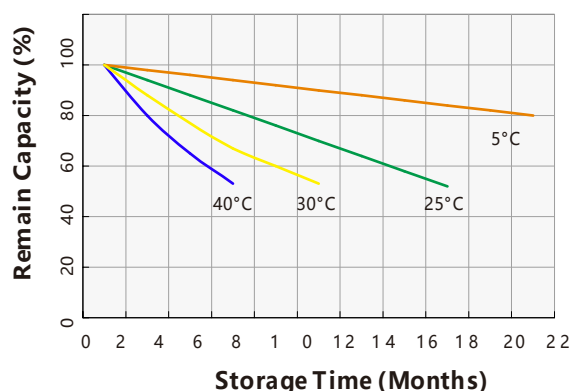
Constant Current Discharge (A) @25°C											
F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	422	323	197.7	116.0	71.0	51.6	40.7	34.2	23.3	19.09	10.38
1.70V	402	320	196.8	114.6	69.8	51.1	40.1	33.7	22.9	18.94	10.31
1.75V	377	310	193.6	112.5	68.5	50.3	39.7	33.2	22.6	18.82	10.22
1.80V	353	292	187.5	108.3	66.2	48.7	38.9	32.4	22.1	18.50	10.00
1.85V	308	263	177.8	99.5	62.5	45.9	37.4	31.3	21.2	17.73	9.67

Constant Power Discharge (W/cell) @25°C											
F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	730	577	375.4	215.9	133.7	96.6	76.4	64.1	44.6	36.75	20.19
1.70V	697	572	375.5	212.8	131.9	96.3	76.7	64.6	44.5	37.09	20.15
1.75V	665	560	374.5	211.6	130.4	95.7	76.6	64.7	44.3	37.03	20.06
1.80V	626	541	368.0	207.7	127.9	93.4	75.9	63.7	43.8	36.65	19.78
1.85V	591	505	353.4	195.8	122.7	89.3	73.4	61.3	42.5	35.68	19.53

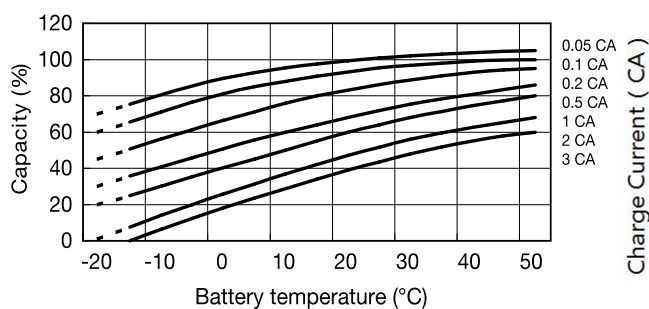
Battery Life with Different Temperature



Self discharge with different Temperature



Capacity with Different Discharge Rate & Temperature



Charge Characteristics

