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## **Durable Battery** Choose CSBattery

# **GB** series

## **Best Partner For Emergency Lighting**

## **Durable VRLA Lead Acid AGM Battery**

CSBattery GB series batteries are designed to have a large amount of stored current discharged between charging sessions, with very heavy non-porous battery plates to withstand repeated major discharging and charging cycle. The CSBattery durable AGM battery uses a different chemistry for the plates active paste material, and a slightly stronger electrolyte than normal battery electrolyte, thus the GB range features 30% higher cyclic life with 5 years of float life when compared to the standard Duration range.





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🛱 Complied Standards		Technical Specifications				
IEC60896-21/22	BS6290part4	Nominal Voltage		12V(6 Cells Per Unit		
JISC8704	GB/T19638	Design Floating Life @25℃		5 Years		
IEC61427	CE/ISO	Nominal Capacity @25°C(20 hour	rate@1.8V )	100%C (Ah)		
		Capacity @25°C	10hour rate (1.8)	′ ) 95%C (Ah)		
			5 hour rate (1.8V	) 89%C(Ah)		
ANE DE			1 hour rate (1.75)	√) 66.5%C(Ah)		
		Internal Resistance	Full Charged Battery@25℃	≤16*C(mΩ)		
			Discharge	-15°C~45°C		
$\leftarrow \dot{x} \rightarrow$		Ambient Temperature	Charge	-15°C~45°C		
			Storage	-15°C~45°C		
		Max.Discharge Current@25°C		6C (5s)		
			40°C	105%		
High quality AGM separator: extend cycle life and prevents micro short circuit		Capacity affected by Temperature	25°C	100%		
		(10 hour )	0°C	85%		
			-15°C	65%		
Non-spillable constru	uction design	Self-Discharge@25°Cper Month		3%		
99.99% pure lead pla and high reliability	ates ensure high quality		Standby Use L	Initial Charging Current Less than C*0.25A		
Long life span 5-8 year	ars in floating condition	Charge (Constant Voltage) @25℃	V	oltage 2.25-2.3V		
Flame-resistance AB the strength of batte		2. 270	Cycle Use L	hitial Charging Current ess than C*0.25A 'oltage 2.37-2.4V		
🚊 Battery Cons	struction					

#### Construction

Component	Positive plate	Negative plate	Container & Cover	Safety valve	
Features	Thick high Sn Iow Ca grid with Special paste	Balanced Pb-Ca grid for improved recombinati on efficiency	Fire resistanc e ABS (UL94-V0octional)	Flame Si-Rubber and aging resistance	
Component	Terminal	Separator	Electrolyte	Pillar seal	
Features	Female Copper Insert	Advanced AGM separator for high pressure cell desbm	Dilute high purity sulfuric acid	Two layers epoxy resin seal	

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# **GB** series

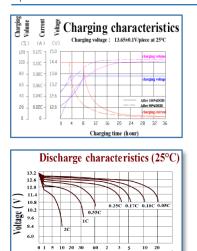
# **Best Partner For Emergency Lighting**

### 🚊 Popular Items for Emergency Lighting

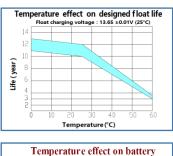
Model	Voltage(V)	age(V) Capacity	Dimension (mm)			Total	Net Weight	Gross Weight
		Length	Width	Height	Height	kgs	kgs	
GB6-4.0	6	4/20HR	70	47	101	107	0.7	0.8
GB6-4.5	6	4.5/20HR	70	47	101	107	0.75	0.85
GB6-10	6	10/20HR	151	50	94	100	1.6	1.7
GB6-12	6	12/20HR	151	50	94	100	1.75	1.85
GB12-4.5	12	4.5/20HR	90	70	101	107	1.48	1.58
GB12-5	12	5/20HR	90	70	101	107	1.58	1.68
GB12-7.0	12	7.0/20HR	151	65	94	100	2.05	2.15
GB12-7.2	12	7.2/20HR	151	65	94	100	2.15	2.25
GB12-7.5	12	7.5/20HR	151	65	94	100	2.2	2.3
GB12-9.0	12	9/20HR	151	65	94	100	2.4	2.5
GB12-10	12	10/20HR	152	99	96	102	3.2	3.3
GB12-12	12	12/20HR	152	99	96	102	3.5	3.6

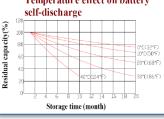


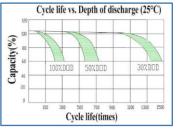
### Performance Characteristics

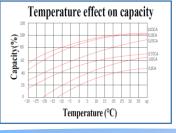


Discharging time











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