

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.



Complied Standards

IEC60896-21/22	BS6290part4
JISC8704	GB/T19638
IEC61427	CE/ISO

Technical Specifications

Nominal Voltage	12V(6 Cells Per Unit)	
Design Floating Life @25°C	5 Years	
Nominal Capacity @25°C(20 hour rate@1.8V)	100%C (Ah)	
Capacity @25°C	10hour rate (1.8V)	95%C (Ah)
	5 hour rate (1.8V)	89%C(Ah)
	1 hour rate (1.75V)	66.5%C(Ah)
Internal Resistance	Full Charged Battery@25°C	≤16*(mΩ)
	Discharge	-15°C~45°C
Ambient Temperature	Charge	-15°C~45°C
	Storage	-15°C~45°C
	Max.Discharge Current@25°C	6C (5s)
Capacity affected by Temperature (10 hour)	40°C	105%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-Discharge@25°Cper Month	3%	



General features

- High quality AGM separator: extend cycle life and prevents micro short circuit
- Non-spillable construction design
- 99.99% pure lead plates ensure high quality and high reliability
- Long life span 5-8 years in floating condition
- Flame-resistance ABS material: increases the strength of battery container.

Charge (Constant Voltage) @25°C	Standby Use	Initial Charging Current Less than C*0.25A Voltage 2.25-2.3V
	Cycle Use	Initial Charging Current Less than C*0.25A Voltage 2.37-2.4V

Battery Construction

Component	Positive plate	Negative plate	Container &Cover	Safety valve
Features	Thick high Sn low Ca grid with Special paste	Balanced Pb-Ca grid for improved recombination efficiency	Fire resistance ABS (UL94-V0optional)	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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Popular Items for Emergency Lighting

Model	Voltage(V)	Capacity	Dimension (mm)			Total Height	Net Weight kgs	Gross Weight kgs
			Length	Width	Height			
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

