



Best Partner For Medical Equipment

GB series

Maintenance-Free AGM Long Life 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 (deep cycle). This series is highly suited for medical monitors, electrocardiograms, B-ultrasounds, medical lighting, and other medical equipment.





Complied Standards

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



General features

Able to operate at -15~45°C

Excellent deep discharge recovery capability

Long life expectancy of 10 years in floating condition

Good Cycle Performance:

DOD 80% 500 times Cycles

30% more cyclic life through innovation at the PAM additives

Technical Specifications

Nominal Voltage 12V(6 Cells Per Un				
Design Floating Life @25°C	10 Years			
Nominal Capacity @25°C(20 hour rate@1.8V)		100%C (Ah)		
	20hour rate (1.8\	/) 111%C (Ah)		
Capacity @25°C	5 hour rate (1.8V) 91.5%C(Ah)		
	1 hour rate (1.75	V) 66.5%C(Ah)		
Internal Resistance	Full Charged Battery@25℃	≤0.02*C(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)		
	40°C	105%		
Capacity affected by Temperature	25°C	100%		
(10 hour)	0°C	85%		
	-15°C	65%		
Self-Discharge@25°Cper Month		3%		
Charge (Constant Voltage) @25°C	Standby Use L	nitial Charging Current ess than C*0.25A 'oltage 13.6-13.8V		
Charge (Constant Voltage) @25 C		nitial Charging Current ess than C*0.25A		

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 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 PVC /AGM separator for high pressure cell desbm	Dilute high purity sulfuric acid	Two layers epoxy resin seal

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Website: https://www.csbattery.cn

Voltage 14.4-14.9V



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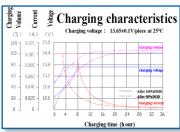
GB series

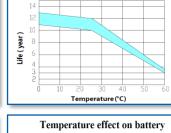
Popular item for Medical Equipment

Model	Norminal	Norminal Capacity oltage(V) (Ah)	Dimension (mm)		Total	Net Weight	Gross Weight	
	Voltage(V)		Length	Width	Height	Height	kgs	kgs
GB6-4.5	6	4.5	70	47	101	107	0.75	0.85
GB12-7	12	7	151	65	94	100	2.05	2.15
GB12-9	12	9	151	65	94	100	2.4	2.5
GB12-12	12	12	152	99	96	102	3.5	3.6
GB12-33	12	33	196	130	155	167	10	10.3
GB12-45	12	45	198	166	174	174	13	13.3
GB12-50	12	50	229	138	208	212	15.5	16
GB12-75	12	75	260	169	211	215	22	21.5
GB12-100	12	100	331	174	214	219	29	29.5
GB12-120	12	120	407	173	210	233	34	34.5
GB12-150	12	150	484	171	241	241	44	44.5
GB12-200	12	200	522	240	219	225	58.2	58.7



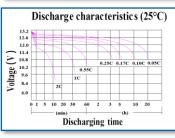
Performance Characteristics

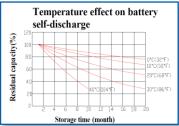


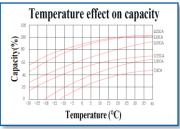


Temperature effect on designed float life Float charging voltage : 13.65 ±0.01V (25°C)











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