

Durable Valve Regulated GEL Battery

Brief Introduction

CSBattery GB series pure GEL battery is with 12-15 years floating design life, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By adopting thicker grids, high purity 99.997% lead and patented Silicon Gel electrolyte, GB12 GEL series offers excellent recovery performance after deep discharge under frequent cyclic discharge use, and can deliver 1200 cycles at 50% DOD even work in hot or cold area. Suitable for Solar, CATV, marine, RV and deep discharge UPS, communication, and telecommunication, etc.



Complied Standards

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

Applications

- UPS System, EPS System
- BTS Stations
- Wind Energy System, Pump
- Solar Energy System, Off-Grid Solar System
- Wheel chair, Golf Car, Sweeper
- Telecom System, BT Tower
- Power Tools, Control System
- Electric Powered Vehicles

General features

- Deep cycle performance: up to 1200 cycles @50% DOD
- 30% more cyclic life through innovation at the PAM additives than AGM battery
- Long life expectancy of 15 years in floating condition
- Adopts quality silicon nano gel electrolyte

Technical Specifications

Nominal Voltage	12V/6V
Design Floating Life @25°C	15 Years
Nominal Capacity @25°C(10 hour rate@1.8V)	100%C (Ah)
	20hour rate (1.8V) 110%C (Ah)
	5 hour rate (1.8V) 87.5%C(Ah)
	1 hour rate (1.75V) 66%C(Ah)
Capacity @25°C	
Internal Resistance	Full Charged Battery@25°C
	Discharge
Ambient Temperature	Charge
	Storage
Max.Discharge Current@25°C	
	40°C
Capacity affected by Temperature (10 hour)	25°C
	0°C
	-15°C
Self-Discharge@25°Cper Month	
Charge (Constant Voltage) @25°C	Standby Use
	Cycle Use

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 T/AP/DP	Advanced PVC/AGM separator for high pressure cell design	German Evonik Silicon GEL	Two layers epoxy resin seal

GB12 12V Gel Battery Items specifications

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Net Weight kgs	Gross Weight kgs	Terminal
			Length	Width	Height	Total Height			
GB12-33	12	33/10HR	196	130	155	167	10.2	10.5	M6
GB12-38	12	38/10HR	198	166	172	172	12.5	12.8	M6
GB12-45	12	45/10HR	198	166	174	174	13.2	13.5	M6
GB12-50	12	50/10HR	229	138	208	212	15.7	16.2	M6
GB12-55	12	55/10HR	229	138	208	212	16.4	16.9	M6
GB12-65	12	65/10HR	350	167	178	178	20.8	21.3	M6
GB12-70	12	70/10HR	350	167	178	178	21.8	22.3	M6
GB12-75	12	75/10HR	260	169	211	215	22.3	22.8	M6
GB12-80	12	80/10HR	260	169	211	215	23.8	24.3	M6
GB12-85A	12	85/10HR	331	174	214	219	25.3	25.8	M6
GB12-90	12	90/10HR	307	169	211	216	27	27.5	M6
GB12-100	12	100/20HR	307	169	211	216	27.5	28	M6
GB12-100A	12	100/10HR	331	174	214	219	29.5	30	M8
GB12-120	12	120/20HR	407	173	210	233	33.5	34	M8
GB12-120A	12	120/10HR	407	173	210	233	34.5	35	M8
GB12-135	12	135/10HR	341	173	283	288	41.5	42	M8
GB12-150A	12	150/20HR	484	171	241	241	41.5	42	M8
GB12-150	12	150/10HR	484	171	241	241	44.5	45	M8
GB12-160	12	160/10HR	532	206	216	222	49	49.5	M8
GB12-180	12	180/10HR	532	206	216	222	53.5	54	M8
GB12-200	12	200/20HR	522	240	219	225	56.5	57	M8
GB12-200A	12	200/10HR	522	240	219	225	58.7	59.2	M8
GB12-230	12	230/10HR	522	240	219	225	61.5	62	M8
GB12-250	12	250/10HR	520	268	220	225	70.5	71	M8

Performance Characteristics

