

Best Partner For Medical Equipment

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

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 resistant e ABS (UL94-V0 optional) | 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 |

Technical Specifications

| | |
|---|--|
| Nominal Voltage | 12V(6 Cells Per Unit) |
| Design Floating Life @25°C | 10 Years |
| Nominal Capacity @25°C(20 hour rate@1.8V) | 100%C (Ah) |
| | 20hour rate (1.8V) 111%C (Ah) |
| Capacity @25°C | 5 hour rate (1.8V) 91.5%C(Ah) |
| | 1 hour rate (1.75V) 66.5%C(Ah) |
| Internal Resistance | Full Charged Battery@25°C ≤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 (10 hour) | 25°C 100% |
| | 0°C 85% |
| | -15°C 65% |
| Self-Discharge@25°Cper Month | 3% |
| Standby Use | Initial Charging Current Less than C*0.25A Voltage 13.6-13.8V |
| Charge (Constant Voltage) @25°C | Cycle Use Initial Charging Current Less than C*0.25A Voltage 14.4-14.9V |

Popular item for Medical Equipment

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

