

GENERAL FEATURES

- Environmentally friendly
- Can be used at vertical or horizontal orientation
- High Reliability and Good Quality
- High gas recombination efficiency
- High Power Density
- Maintenance-Free Operation

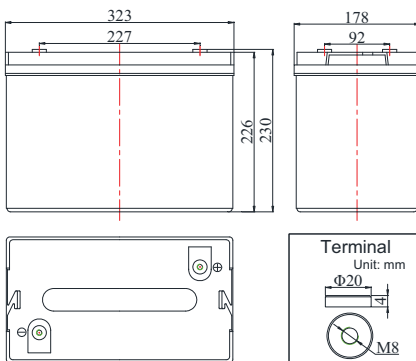
APPLICATIONS

- UPS & EPS
- Emergency lighting Systems
- Medical Equipment
- Cable TV Systems
- Alarm Systems
- Electric Test Equipment
- Security Systems



DIMENSIONS & WEIGHT

| | |
|------------------|---------|
| Length(mm) | 323±1 |
| Width(mm) | 178±1 |
| Height(mm) | 226±1 |
| Total Height(mm) | 230±1 |
| Weight(kg) | 29.5±3% |



COMPLIED STANDARDS

| | |
|-----------------|--------------|
| IEC 60896-21/22 | JIS C8704 |
| YD/T799 | BS6290 part4 |
| GB/T 19638 | UL 1989 |

TECHNICAL SPECIFICATIONS



| | | |
|----------------------------------------------------|-----------------------------|---------------------------------------------------------------|
| Nominal Voltage | | 6V(3 cells per unit) |
| Design Floating Life @25°C | | 10 Years |
| Nominal Capacity @25°C(10 hour rate@20.00A,10.80V) | | 200Ah |
| Capacity @25°C | 20 hour rate (10.70A,10.5V) | 214.0Ah |
| | 5 hour rate (35.2A,10.5V) | 176.0Ah |
| | 1 hour rate (127.6A,9.6V) | 127.6Ah |
| Internal Resistance | Full Charged Battery@25°C | ≤2.3mΩ |
| Ambient Temperature | Discharge | -20°C~50°C |
| | Charge | -20°C~50°C |
| | Storage | -20°C~50°C |
| Max.Discharge Current@25°C | | 2000A(5s) |
| Capacity affected by Temperature (10 hr Capacity) | 40°C | 102% |
| | 25°C | 100% |
| | 0°C | 85% |
| | -15°C | 65% |
| Self-Discharge@25°C per Month | | 3% |
| Charge (Constant Voltage) @25°C | Standby Use | Initial Charging Current Less than 40.0A Voltage 6.8-6.9V |
| | Cycle Use | Initial Charging Current Less than 40.0A Voltage 7.2-7.45V |

BATTERY DISCHARGE TABEL

Discharge Constant Current per Cell (Amperes at 25°C)

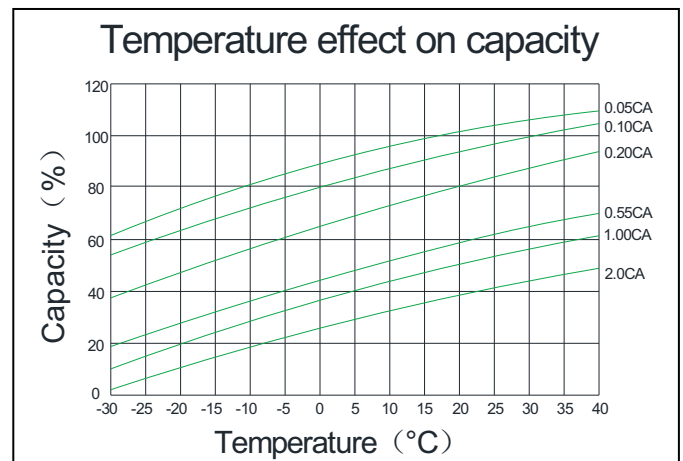
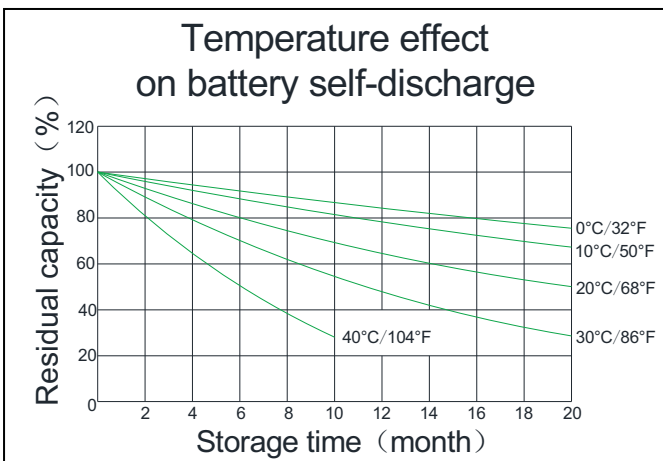
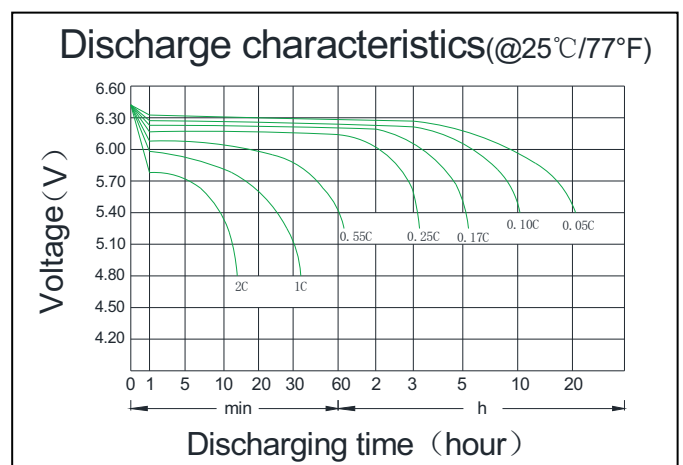
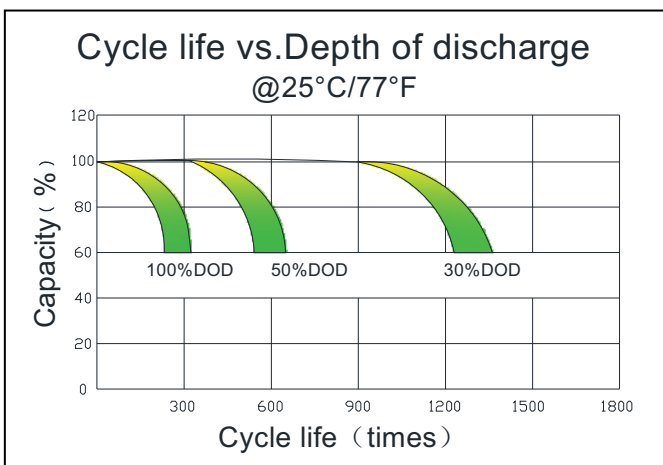
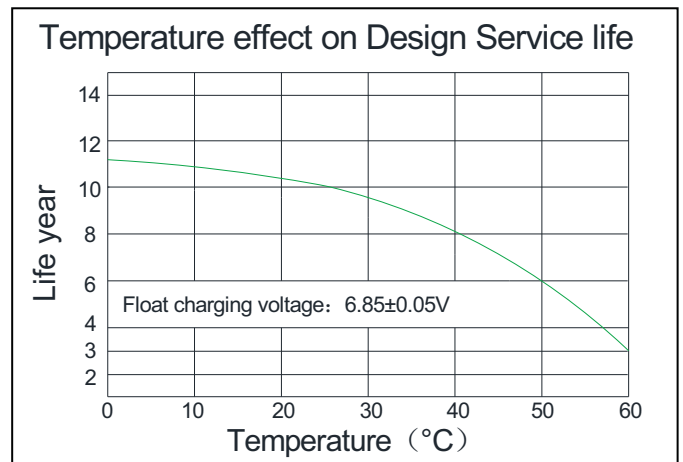
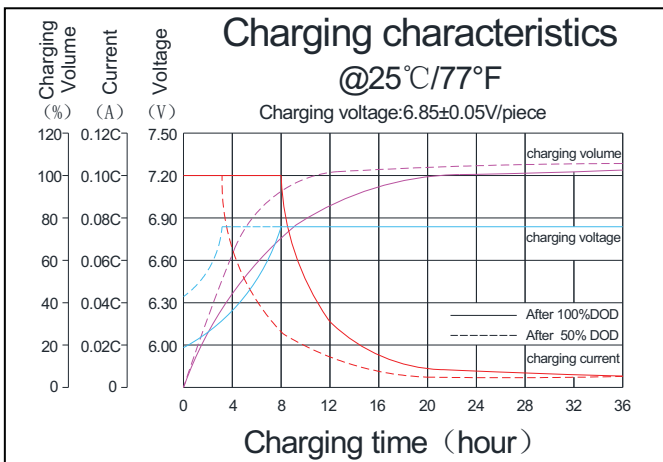
| F.V/Time | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 6h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|------|------|------|------|------|------|-------|
| 1.60V | 361.0 | 212.6 | 161.0 | 127.6 | 75.0 | 55.2 | 37.2 | 32.4 | 25.4 | 21.0 | 11.10 |
| 1.67V | 341.0 | 201.4 | 154.8 | 123.8 | 72.6 | 53.4 | 36.6 | 31.8 | 25.2 | 20.6 | 11.00 |
| 1.70V | 320.2 | 195.6 | 149.2 | 119.0 | 70.6 | 52.0 | 35.8 | 31.2 | 24.8 | 20.4 | 10.84 |
| 1.75V | 300.0 | 187.0 | 142.6 | 114.2 | 68.8 | 50.8 | 35.2 | 30.6 | 24.4 | 20.2 | 10.70 |
| 1.80V | 281.4 | 180.2 | 137.4 | 110.2 | 66.2 | 49.2 | 34.4 | 30.0 | 24.0 | 20.0 | 10.60 |

Discharge Constant Power per Cell (Watts at 25°C)

| F.V/Time | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 6h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 1.60V | 690.2 | 422.2 | 305.8 | 244.8 | 142.2 | 105.4 | 71.8 | 62.6 | 49.6 | 41.0 | 21.9 |
| 1.67V | 660.4 | 395.8 | 295.4 | 238.2 | 138.4 | 102.6 | 70.6 | 61.6 | 49.2 | 40.6 | 21.8 |
| 1.70V | 615.4 | 387.2 | 286.0 | 230.0 | 135.2 | 100.2 | 69.6 | 60.8 | 48.6 | 40.2 | 21.5 |
| 1.75V | 577.4 | 368.6 | 274.6 | 221.6 | 132.0 | 98.2 | 68.6 | 59.8 | 48.0 | 39.8 | 21.3 |
| 1.80V | 542.0 | 353.6 | 265.4 | 214.4 | 127.6 | 95.4 | 67.2 | 58.8 | 47.4 | 39.6 | 21.1 |

Note The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice. Contact **CBB** for the latest information.

PERFORMANCE CHARACTERISTICS



BATTERY CONSTRUCTION

| Component | Positive plate | Negative plate | Container & Cover | Safety valve | Terminal | Separator | Electrolyte | Pillar seal |
|-----------|----------------------------------------------|-----------------------------------------------------------|------------------------|-------------------------------------|------------------------------------------|------------------------------------------------------|-----------------------------------|-----------------------------|
| Features | Thick high Sn low Ca grid with special paste | Balanced Pb-Ca grid for improved recombination efficiency | ABS (UL94-V0 optional) | Flame Si-Rubbeand aging resistancer | Female Copper Insert M8(torque:9 ~11N.m) | Advanced AGM separator for high pressure cell design | Dilute high purity sulphuric acid | Two layers epoxy resin seal |