

GENERAL FEATURES

- Environmentally friendly
- Thick plate with high Tin low Calcium alloy
- High Reliability and Good Quality
- Deep Discharge Recovery
- High Power Density
- Long Service Life, in Float or Cyclic

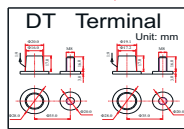
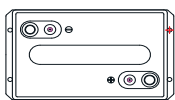
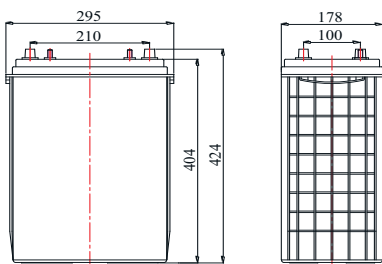
APPLICATIONS

- Solar & Wind energy system
- Cable TV Systems
- Telecom systems
- Wheel chair & Golf Car
- Marine Equipment
- Railway Systems
- Emergency Power System



DIMENSIONS & WEIGHT

| | |
|------------------|---------|
| Length(mm) | 295±1 |
| Width(mm) | 178±1 |
| Height(mm) | 404±1 |
| Total Height(mm) | 408±1 |
| Weight(kg) | 55.1±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 | | 12 Years |
| Nominal Capacity @25 °C(20 hour rate @19.00A,5.25V) | | 380Ah |
| Capacity @25°C | 10 hour rate (34.58A,5.40V) | 345.8Ah |
| | 5 hour rate (60.40A,5.25V) | 302.0Ah |
| | 1 hour rate (211.3A,4.80V) | 211.3Ah |
| Internal Resistance | Full Charged Battery@25 °C | ≤2.0mΩ |
| 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 68.4A Voltage 6.8-6.9V |
| | Cycle Use | Initial Charging Current Less than 68.4A Voltage 7.2-7.45V |

BATTERY DISCHARGE TABLE

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

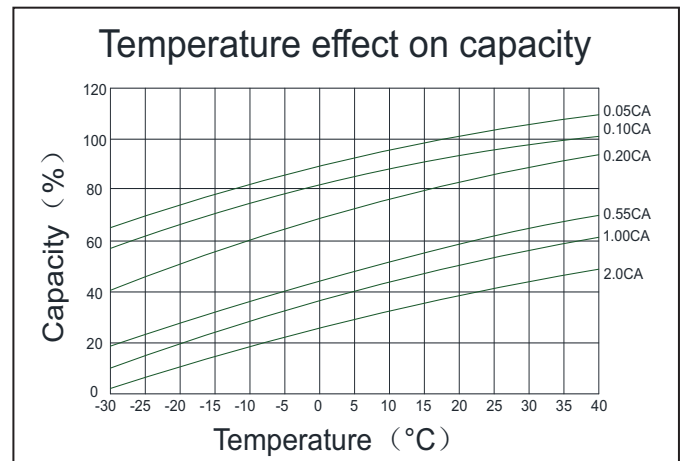
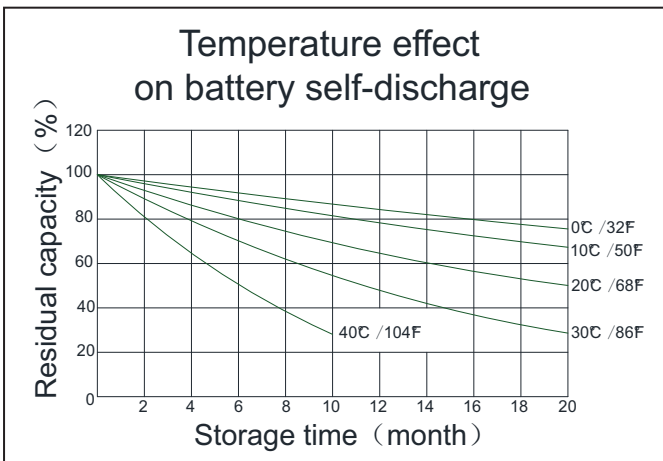
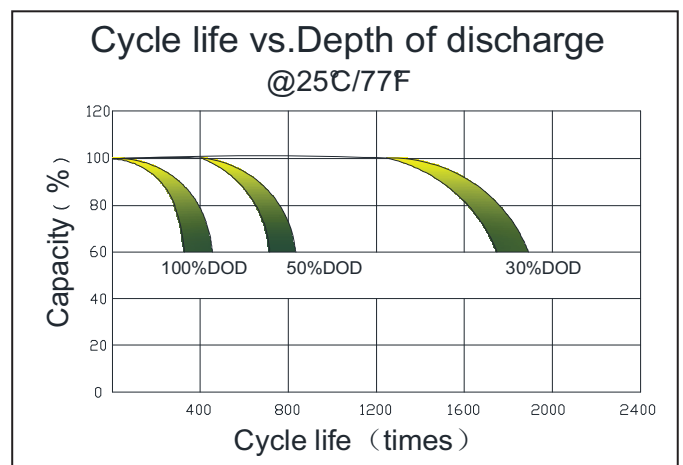
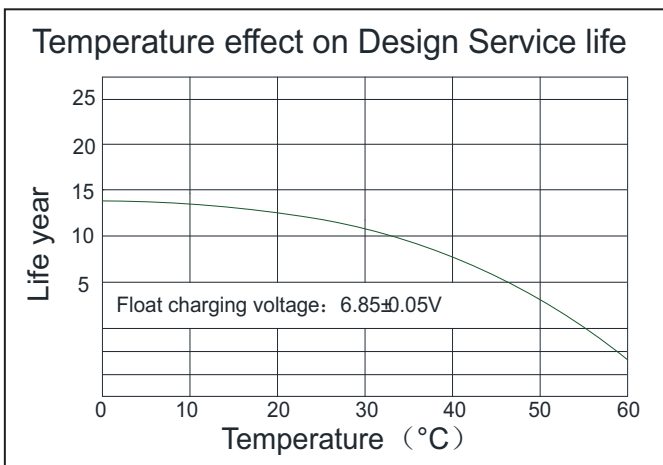
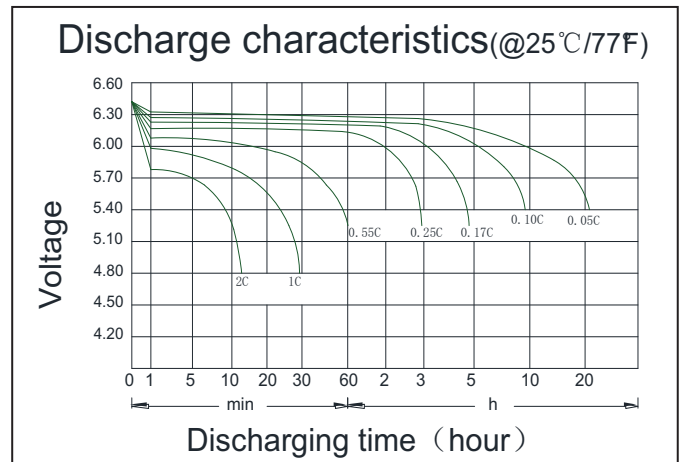
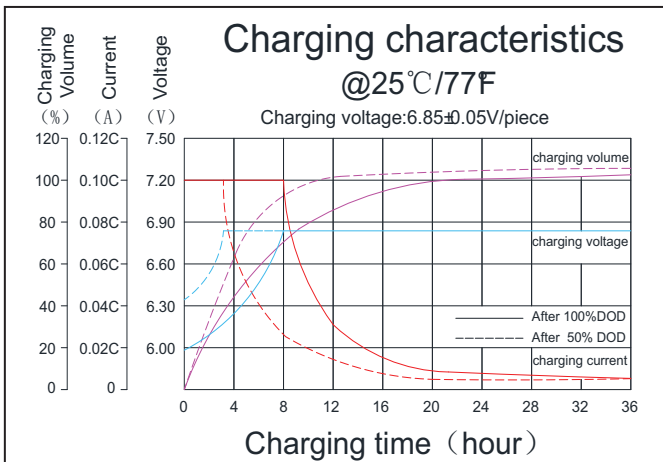
| F.V/Time | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h | 100h |
|----------|-------|-------|-------|-------|-------|------|------|------|-------|-------|------|
| 1.60V | 489.1 | 312.4 | 229.5 | 211.3 | 134.1 | 94.2 | 63.8 | 42.2 | 37.62 | 20.14 | 4.56 |
| 1.67V | 480.3 | 306.7 | 225.3 | 207.1 | 131.5 | 92.3 | 62.7 | 41.4 | 36.86 | 19.76 | 4.48 |
| 1.70V | 471.2 | 301.0 | 221.2 | 203.3 | 129.2 | 90.8 | 61.6 | 40.7 | 36.10 | 19.38 | 4.37 |
| 1.75V | 462.5 | 295.3 | 217.0 | 199.5 | 126.5 | 88.9 | 60.4 | 39.9 | 35.72 | 19.00 | 4.29 |
| 1.80V | 444.6 | 283.9 | 208.6 | 191.9 | 121.6 | 85.5 | 58.1 | 38.4 | 34.58 | 18.81 | 4.22 |

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

| F.V/Time | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h | 100h |
|----------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| 1.60V | 941.3 | 601.2 | 441.9 | 405.5 | 257.6 | 180.9 | 123.1 | 80.9 | 72.6 | 39.3 | 8.78 |
| 1.67V | 924.2 | 590.1 | 433.6 | 398.2 | 253.1 | 177.8 | 120.8 | 79.8 | 71.1 | 38.5 | 8.59 |
| 1.70V | 907.1 | 579.1 | 425.6 | 390.6 | 248.5 | 174.4 | 118.6 | 78.3 | 69.9 | 38.2 | 8.44 |
| 1.75V | 890.0 | 568.1 | 417.6 | 383.4 | 243.6 | 171.0 | 116.3 | 76.8 | 68.4 | 37.6 | 8.28 |
| 1.80V | 855.8 | 546.4 | 401.7 | 368.6 | 234.5 | 164.5 | 112.1 | 73.7 | 65.7 | 36.5 | 8.13 |

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-Rubber aging resister | Female Copper Insert DT (torque: 10~12N.m) | Advanced AGM separator for high pressure cell design | Dilute high purity sulphuric acid | Two layers epoxy resin seal |