

GENERAL FEATURES

- Thick plate with high Tin low Calcium alloy
- High Reliability and Good Quality
- High gas recombination efficiency
- High Power Density
- Long Service Life, in Float or Cyclic

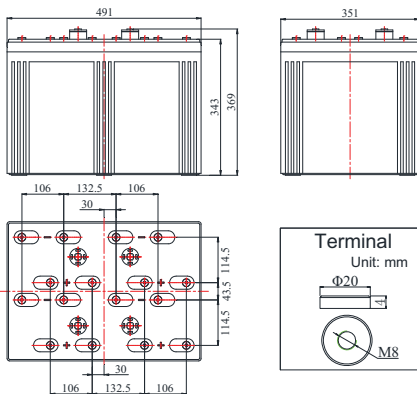
APPLICATIONS

- Solar Systems
- Power station
- Telecom systems
- Cable TV Systems
- UPS & EPS
- Renewable energy system



DIMENSIONS & WEIGHT

| | |
|------------------|--------|
| Length(mm) | 491±1 |
| Width(mm) | 351±1 |
| Height(mm) | 343±1 |
| Total Height(mm) | 383±1 |
| Weight(kg) | 122±3% |



COMPLIED STANDARDS

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

TECHNICAL SPECIFICATIONS



| | | |
|---|----------------------------|---|
| Nominal Voltage | | 2V(1 cells per unit) |
| Design Floating Life @25°C | | 15 Years |
| Nominal Capacity @25°C (10 hour rate@180.0A,1.8V) | | 1800Ah |
| Capacity @25°C | 20 hour rate (95.40A,1.8V) | 1908Ah |
| | 5 hour rate (316.8A,1.75V) | 1584Ah |
| | 1 hour rate (1153.8A,1.6V) | 1153.8Ah |
| Internal Resistance | Full Charged Battery@25°C | ≤0.20mΩ |
| Ambient Temperature | Discharge | -20°C~50°C |
| | Charge | -20°C~50°C |
| | Storage | -20°C~50°C |
| Max.Discharge Current@25°C | | 7500A(5s) |
| Capacity affected by Temperature (10 hr Capacity) | 40°C | 105% |
| | 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 270A Voltage 2.23-2.27V |
| | Cycle Use | Initial Charging Current Less than 270A Voltage 2.33-2.37V |

BATTERY DISCHARGE TABEL

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

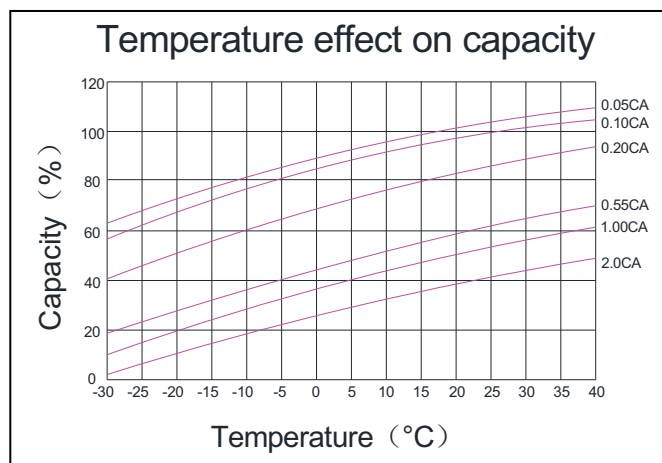
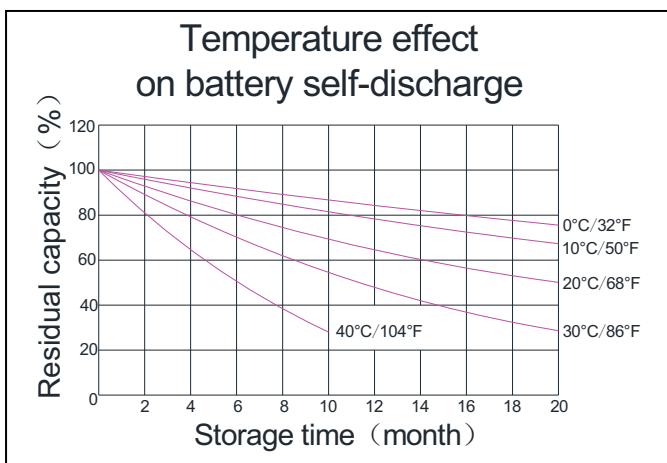
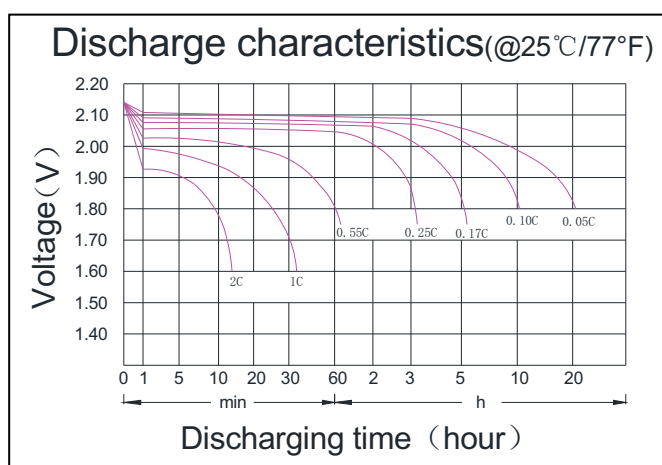
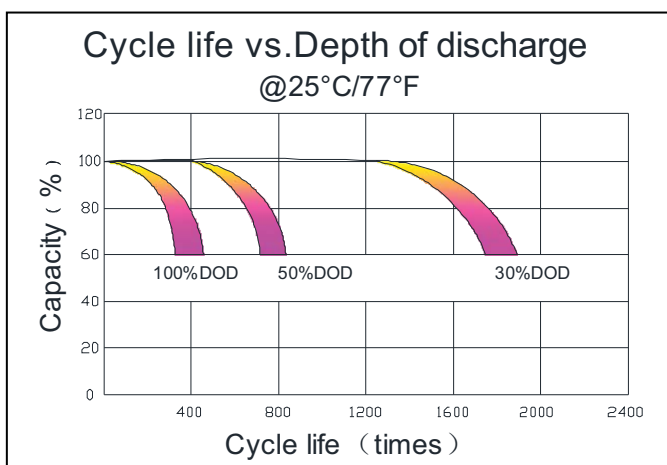
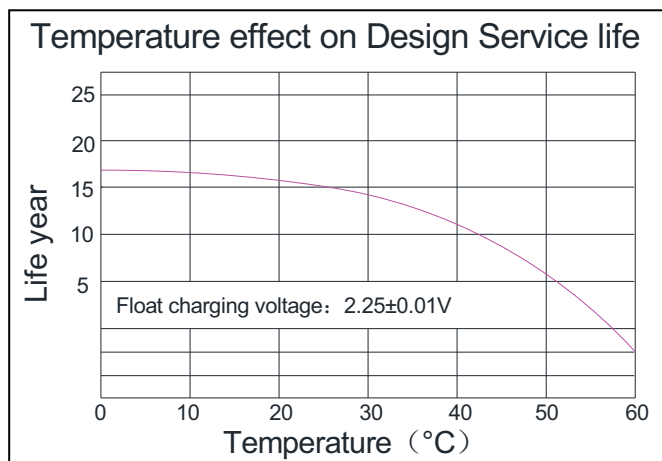
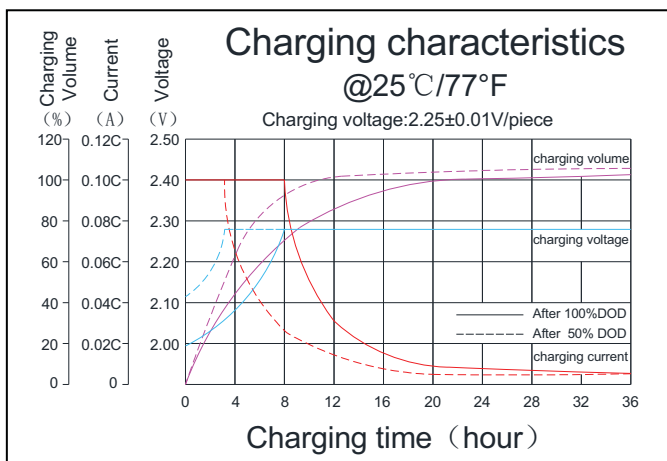
| F.V/Time | 30min | 45min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|----------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.60V | 1913.4 | 1449.0 | 1153.8 | 675.0 | 514.8 | 399.6 | 334.8 | 291.6 | 234.0 | 189.0 | 99.90 |
| 1.65V | 1812.6 | 1393.2 | 1116.0 | 653.4 | 498.6 | 390.6 | 329.4 | 286.2 | 232.2 | 185.4 | 99.00 |
| 1.70V | 1760.4 | 1342.8 | 1085.4 | 635.4 | 486.0 | 381.6 | 322.2 | 280.8 | 228.6 | 183.6 | 97.92 |
| 1.75V | 1683.0 | 1283.4 | 1045.8 | 619.2 | 475.2 | 372.6 | 316.8 | 275.4 | 226.8 | 181.8 | 97.02 |
| 1.80V | 1621.8 | 1236.6 | 1009.8 | 595.8 | 460.8 | 363.6 | 309.6 | 270.0 | 219.6 | 180.0 | 95.40 |

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

| F.V/Time | 30min | 45min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|----------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 1.60V | 3691.8 | 2752.2 | 2221.2 | 1279.8 | 984.6 | 766.8 | 646.2 | 563.4 | 460.8 | 369.0 | 196.2 |
| 1.65V | 3526.2 | 2658.6 | 2161.8 | 1245.6 | 959.4 | 752.4 | 635.4 | 554.4 | 457.2 | 365.4 | 192.6 |
| 1.70V | 3376.8 | 2574.0 | 2088.0 | 1216.8 | 937.8 | 738.0 | 626.4 | 547.2 | 450.0 | 361.8 | 190.8 |
| 1.75V | 3209.4 | 2471.4 | 2012.4 | 1188.0 | 919.8 | 721.8 | 617.4 | 538.2 | 439.2 | 358.2 | 189.0 |
| 1.80V | 3074.4 | 2388.6 | 1947.6 | 1148.4 | 894.6 | 705.6 | 604.8 | 529.2 | 430.2 | 356.4 | 187.2 |

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:1 0~12N.m | Advanced AGM separator for high pressure cell design | Dilute high purity sulphuric acid | Two layers epoxy resin seal |

CBB Battery Technology Co.,Ltd.

RM504,55 Hanxing Zhong Road,Zhongcun, Panyu,Guangzhou 511495 China
 Tel: +86-020-84888946 Fax: +86-020-62824569

Koyama®

www.cbb-battery.com