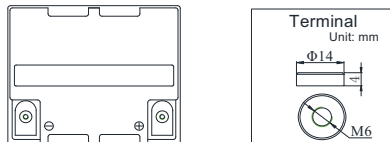
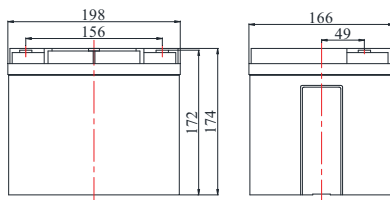


GENERAL FEATURES

- Environmentally friendly
- Able to operate at 60°C
- Integrated design to ensure the best uniformity and reliability
- Long life and high stability under high temp. environment (no air-con needed)
- Use super-C additives: Deep discharge recovery capability

DIMENSIONS & WEIGHT

| | |
|------------------|---------|
| Length(mm) | 198±1 |
| Width(mm) | 166±1 |
| Height(mm) | 174±1 |
| Total Height(mm) | 174±1 |
| Weight(kg) | 14.3±3% |



COMPLIED STANDARDS

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

APPLICATIONS

- Aerial Work Platform(AWP)/Access
- Material Handling
- Golf/Utility Carts/Vehicle
- Electric Boats/NEV
- Wheel chair&Industrial
- Remote Monitoring&Instrumentation
- Medical Mobility & Marine Vessels
- Renewable Energy(Solar,Wind and Hydro)



| | | |
|---|----------------------------|---|
| Nominal Voltage | | 12V(6 cells per unit) |
| Design Floating Life @25°C | | 15 Years |
| Nominal Capacity @25°C(20 hour rate@2.00A,10.50V) | | 40Ah |
| Capacity @25°C | 10 hour rate (3.64A,10.8V) | 36.4Ah |
| | 5 hour rate (6.4A,10.5V) | 32.0Ah |
| | 1 hour rate (22.2A,9.6V) | 22.2Ah |
| Internal Resistance | Full Charged Battery@25°C | ≤10.5mΩ |
| Ambient Temperature | Discharge | -30°C~60°C |
| | Charge | -30°C~60°C |
| | Storage | -30°C~60°C |
| Max.Discharge Current@25°C | | 400A(5s) |
| Capacity affected by Temperature (10 hr Capacity) | 40°C | 108% |
| | 25°C | 100% |
| | 0°C | 90% |
| | -15°C | 70% |
| Self-Discharge@25°C per Month | | 3% |
| Charge (Constant Voltage) @25°C | Standby Use | Initial Charging Current Less than 9.0A Voltage 13.6-13.8V |
| | Cycle Use | Initial Charging Current Less than 9.0A Voltage 14.4-14.9V |

BATTERY DISCHARGE TABEL

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

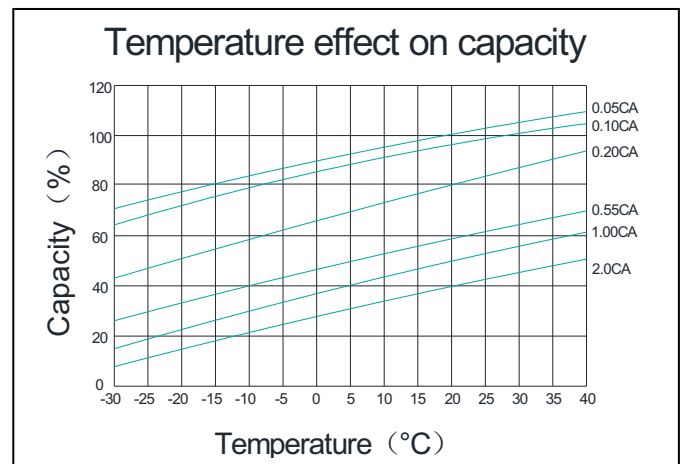
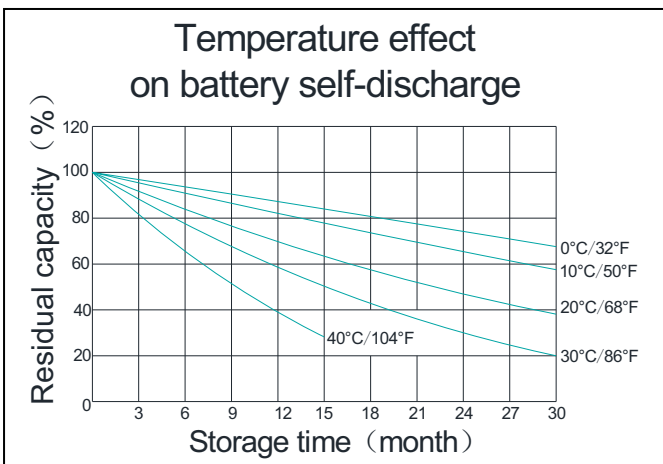
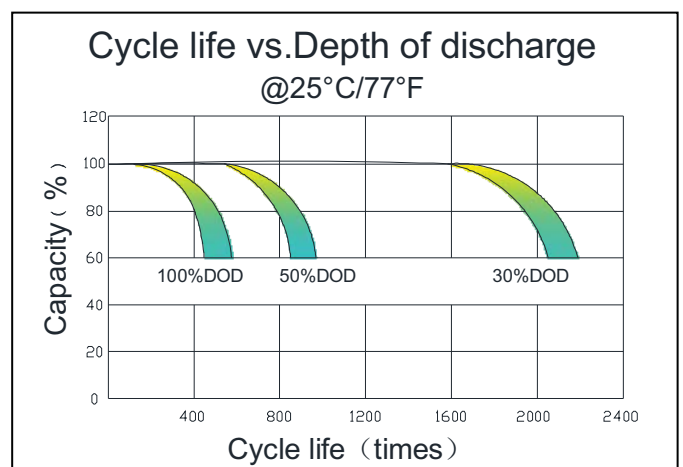
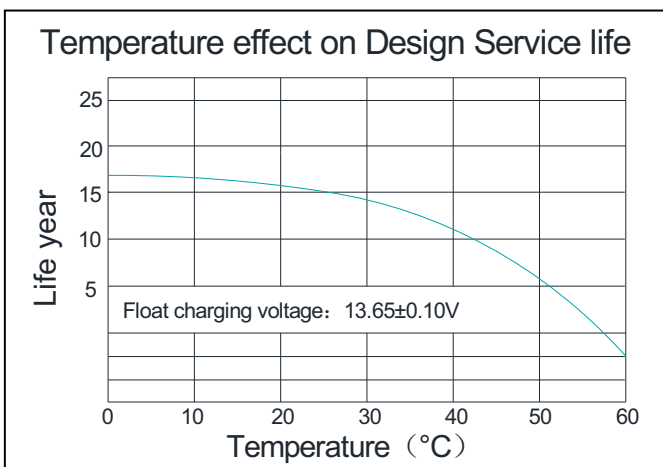
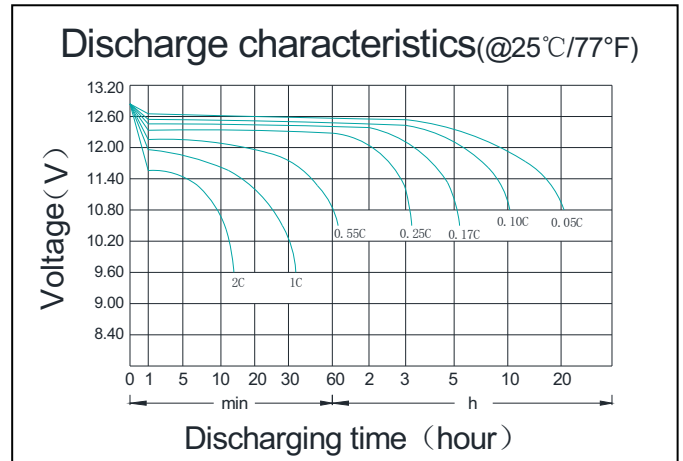
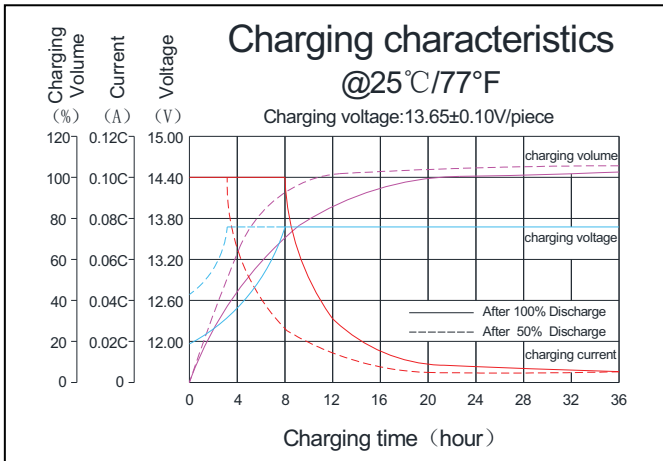
| F.V/Time | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h | 100h |
|----------|-------|-------|-------|------|------|-----|-----|-----|------|------|------|
| 1.60V | 51.5 | 32.9 | 24.2 | 22.2 | 14.1 | 9.9 | 6.7 | 4.4 | 3.96 | 2.12 | 0.48 |
| 1.67V | 50.6 | 32.3 | 23.7 | 21.8 | 13.8 | 9.7 | 6.6 | 4.4 | 3.88 | 2.08 | 0.47 |
| 1.70V | 49.6 | 31.7 | 23.3 | 21.4 | 13.6 | 9.6 | 6.5 | 4.3 | 3.80 | 2.04 | 0.46 |
| 1.75V | 48.7 | 31.1 | 22.8 | 21.0 | 13.3 | 9.4 | 6.4 | 4.2 | 3.76 | 2.00 | 0.45 |
| 1.80V | 46.8 | 29.9 | 22.0 | 20.2 | 12.8 | 9.0 | 6.1 | 4.0 | 3.64 | 1.98 | 0.44 |

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 | 99.1 | 63.3 | 46.5 | 42.7 | 27.1 | 19.0 | 13.0 | 8.5 | 7.6 | 4.1 | 0.92 |
| 1.67V | 97.3 | 62.1 | 45.6 | 41.9 | 26.6 | 18.7 | 12.7 | 8.4 | 7.5 | 4.0 | 0.90 |
| 1.70V | 95.5 | 61.0 | 44.8 | 41.1 | 26.2 | 18.4 | 12.5 | 8.2 | 7.4 | 4.0 | 0.89 |
| 1.75V | 93.7 | 59.8 | 44.0 | 40.4 | 25.6 | 18.0 | 12.2 | 8.1 | 7.2 | 4.0 | 0.87 |
| 1.80V | 90.1 | 57.5 | 42.3 | 38.8 | 24.7 | 17.3 | 11.8 | 7.8 | 6.9 | 3.8 | 0.86 |

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 resistanacer | Female Copper Insert M6(torque:4 ~6N.m) | Advanced AGM separator for high pressure cell design | Dilute high purity sulphuric acid with fumed Silica gel | 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