

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

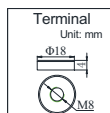
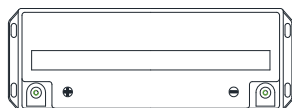
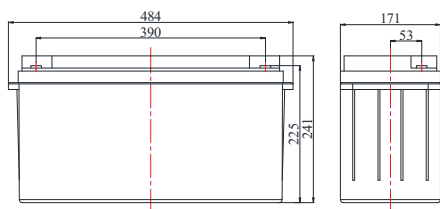
APPLICATIONS

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



DIMENSIONS & WEIGHT

| | |
|------------------|---------|
| Length(mm) | 484±1 |
| Width(mm) | 171±1 |
| Height(mm) | 241±1 |
| Total Height(mm) | 241±1 |
| Weight(kg) | 41.2±3% |



COMPLIED STANDARDS

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

TECHNICAL SPECIFICATIONS



| | | |
|--|-----------------------------|--|
| Nominal Voltage | | 12V(6 cells per unit) |
| Design Floating Life @25°C | | 10 Years |
| Nominal Capacity @25°C(20 hour rate@7.50A,10.80V) | | 150Ah |
| Capacity @25°C | 10 hour rate (14.06A,10.5V) | 146.0Ah |
| | 5 hour rate (26.4A,10.5V) | 132.0Ah |
| | 1 hour rate (95.7A,9.6V) | 95.7Ah |
| Internal Resistance | Full Charged Battery@25°C | ≤4.5mΩ |
| Ambient Temperature | Discharge | -20°C~50°C |
| | Charge | -20°C~50°C |
| | Storage | -20°C~50°C |
| Max.Discharge Current@25°C | | 1500A(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 30A Voltage 13.6-13.8V |
| | Cycle Use | Initial Charging Current Less than 30A Voltage 14.4-14.9V |

BATTERY DISCHARGE TABEL

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

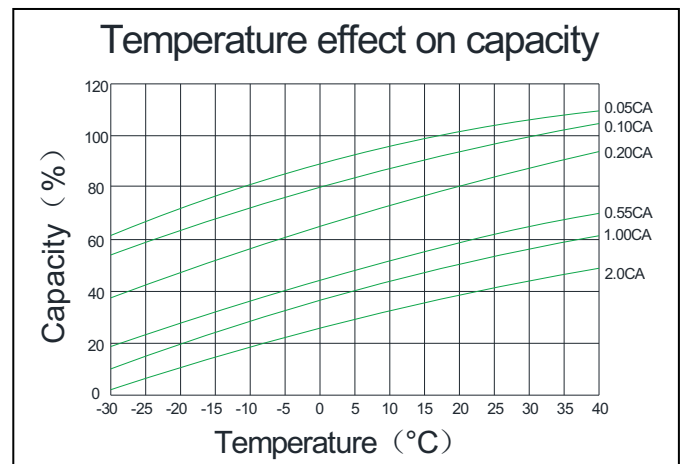
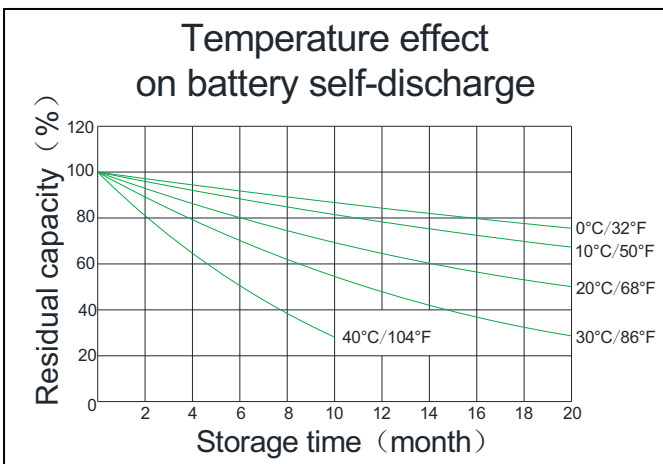
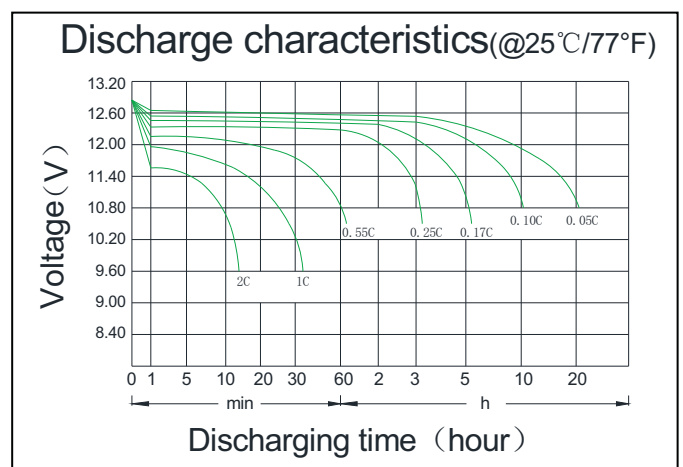
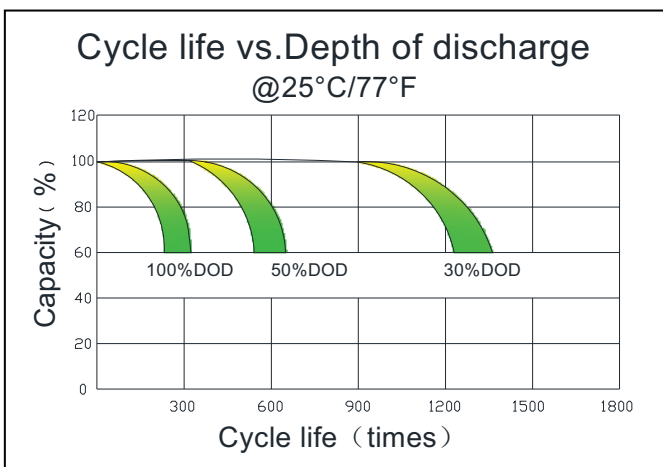
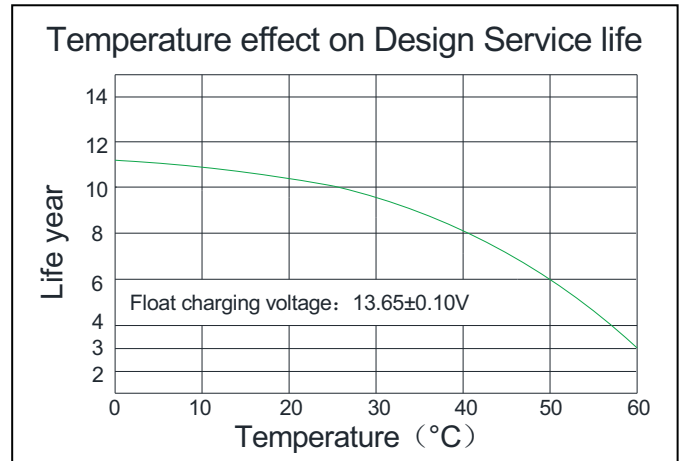
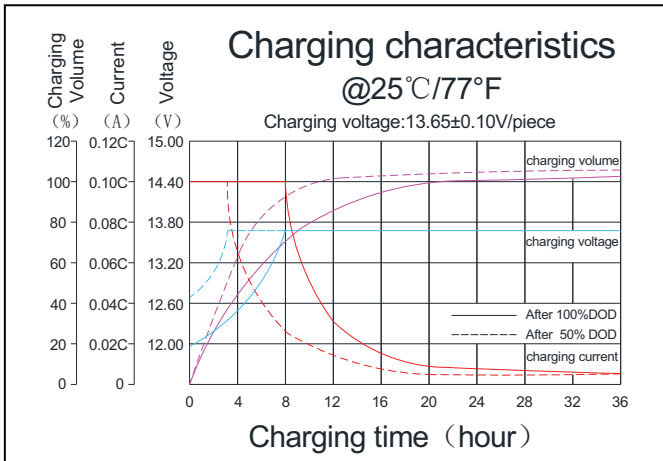
| F.V/Time | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 6h | 8h | 10h | 20h |
|----------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 1.60V | 270.8 | 159.5 | 120.8 | 95.7 | 56.3 | 41.4 | 27.9 | 24.3 | 19.1 | 15.5 | 8.23 |
| 1.67V | 255.8 | 151.1 | 116.1 | 92.9 | 54.5 | 40.1 | 27.5 | 23.9 | 18.9 | 15.3 | 8.15 |
| 1.70V | 240.2 | 146.7 | 111.9 | 89.3 | 53.0 | 39.0 | 26.9 | 23.4 | 18.6 | 15.0 | 8.03 |
| 1.75V | 225.0 | 140.3 | 107.0 | 85.7 | 51.6 | 38.1 | 26.4 | 23.0 | 18.3 | 14.6 | 7.95 |
| 1.80V | 211.1 | 135.2 | 103.1 | 82.7 | 49.7 | 36.9 | 25.8 | 22.5 | 18.0 | 14.5 | 7.50 |

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 | 517.7 | 316.7 | 229.4 | 183.6 | 106.7 | 79.1 | 53.9 | 47.0 | 37.2 | 30.8 | 16.4 |
| 1.67V | 495.3 | 296.9 | 221.6 | 178.7 | 103.8 | 77.0 | 53.0 | 46.2 | 36.9 | 30.5 | 16.3 |
| 1.70V | 461.6 | 290.4 | 214.5 | 172.5 | 101.4 | 75.2 | 52.2 | 45.6 | 36.5 | 30.2 | 16.1 |
| 1.75V | 433.1 | 276.5 | 206.0 | 166.2 | 99.0 | 73.7 | 51.5 | 44.9 | 36.0 | 29.9 | 16.0 |
| 1.80V | 406.5 | 265.2 | 199.1 | 160.8 | 95.7 | 71.6 | 50.4 | 44.1 | 35.6 | 29.7 | 15.8 |

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 M8 (torque: 7~9N.m) | Advanced AGM separator for high pressure cell design | Dilute high purity sulphuric acid | Two layers epoxy resin seal |