

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

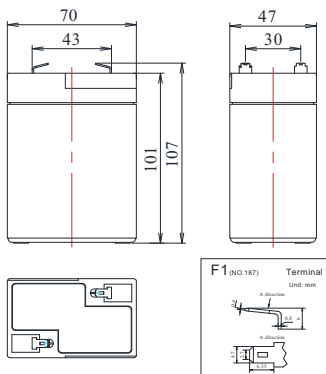
APPLICATIONS

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



DIMENSIONS & WEIGHT

| | |
|------------------|---------|
| Length(mm) | 70±1 |
| Width(mm) | 47±1 |
| Height(mm) | 101±1 |
| Total Height(mm) | 107±1 |
| Weight(kg) | 0.68±3% |



COMPLIED STANDARDS

| | |
|-----------------|--------------|
| IEC 60896-21/22 | JIS C8704 |
| YD/T799 | BS6290 part4 |
| GB/T 19639 | UL 1989 |

TECHNICAL SPECIFICATIONS



| | | |
|---|----------------------------|--|
| Nominal Voltage | | 6V(3 cells per unit) |
| Design Floating Life @25°C | | 5 Years |
| Nominal Capacity @25°C (20 hour rate@0.200A,10.50V) | | 4.00Ah |
| Capacity @25°C | 10 hour rate (0.38A,10.8V) | 3.80Ah |
| | 5 hour rate (0.70A,10.5V) | 3.50Ah |
| | 1 hour rate (2.75A,9.6V) | 2.75Ah |
| Internal Resistance | Full Charged Battery@25°C | ≤28.0mΩ |
| Ambient Temperature | Discharge | -20°C~50°C |
| | Charge | -20°C~50°C |
| | Storage | -20°C~50°C |
| Max.Discharge Current@25°C | | 60A(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 | Floating Charge | Initial Charging Current Less than 1.20A Voltage 13.6-13.8V |
| | Cycle Charge | Initial Charging Current Less than 1.20A Voltage 14.4-14.9V |

BATTERY DISCHARGE TABLE

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

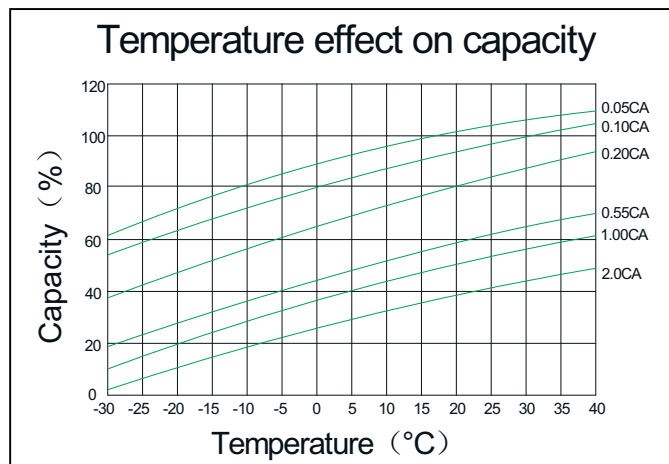
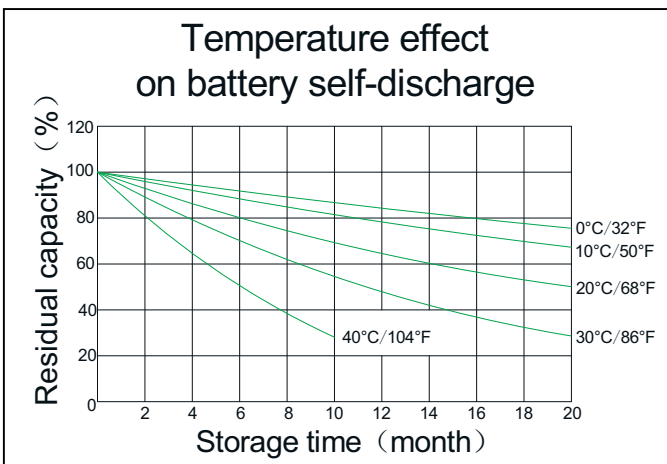
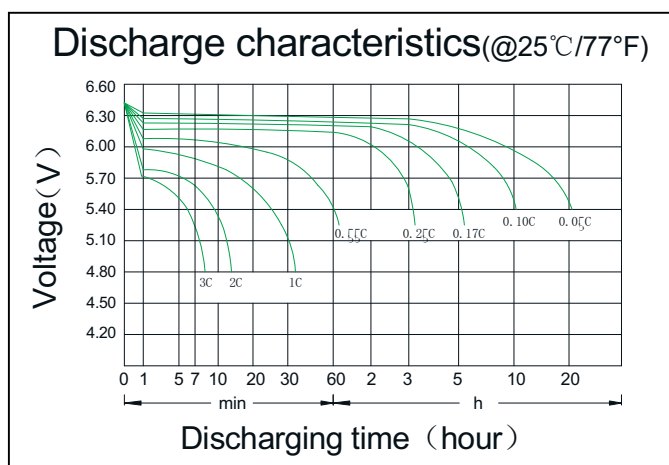
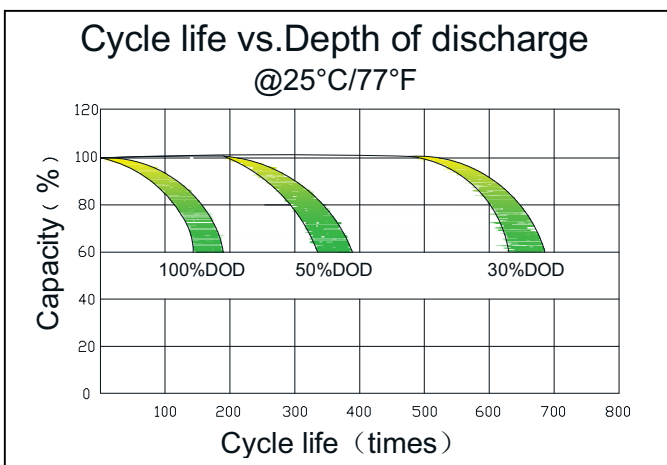
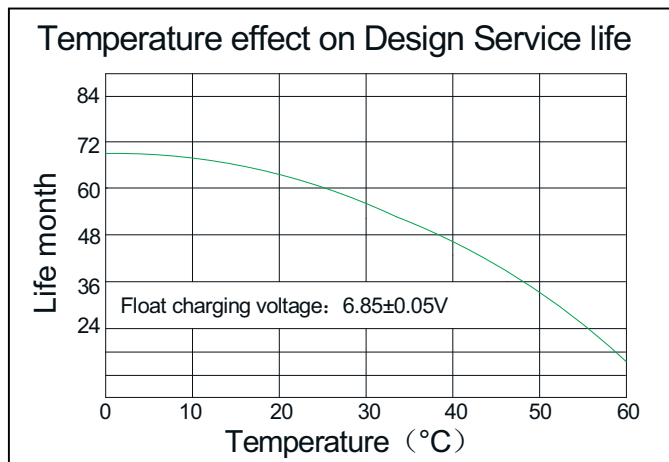
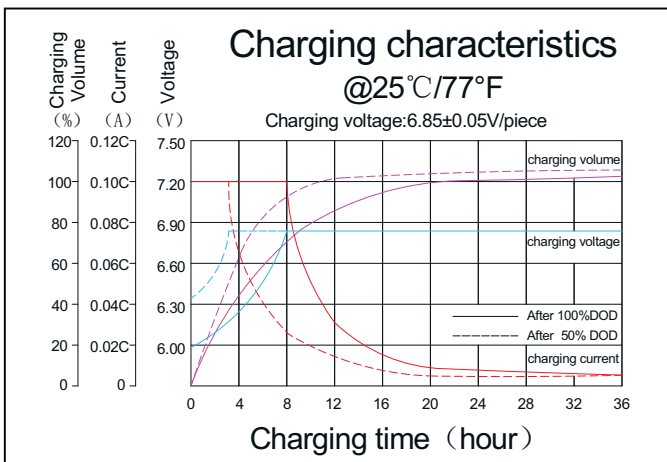
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|------|------|------|-------|
| 1.60V | 13.75 | 9.94 | 7.83 | 4.58 | 3.21 | 2.75 | 1.62 | 1.11 | 0.74 | 0.49 | 0.40 | 0.211 |
| 1.67V | 13.50 | 9.83 | 7.61 | 4.50 | 3.15 | 2.70 | 1.59 | 1.09 | 0.73 | 0.49 | 0.39 | 0.207 |
| 1.70V | 13.25 | 9.56 | 7.44 | 4.42 | 3.09 | 2.65 | 1.56 | 1.07 | 0.71 | 0.48 | 0.39 | 0.204 |
| 1.75V | 13.00 | 9.11 | 7.22 | 4.33 | 3.03 | 2.60 | 1.53 | 1.05 | 0.70 | 0.47 | 0.38 | 0.200 |
| 1.80V | 12.50 | 9.00 | 7.00 | 4.17 | 2.92 | 2.50 | 1.47 | 1.01 | 0.67 | 0.45 | 0.38 | 0.198 |

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

| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|------|------|------|-------|
| 1.60V | 26.47 | 19.61 | 15.11 | 8.82 | 6.18 | 5.29 | 3.12 | 2.13 | 1.42 | 0.96 | 0.79 | 0.417 |
| 1.67V | 25.99 | 19.28 | 14.67 | 8.66 | 6.06 | 5.20 | 3.06 | 2.09 | 1.39 | 0.94 | 0.78 | 0.406 |
| 1.70V | 25.51 | 18.89 | 14.28 | 8.50 | 5.95 | 5.10 | 3.00 | 2.06 | 1.37 | 0.92 | 0.76 | 0.400 |
| 1.75V | 25.03 | 17.78 | 13.89 | 8.34 | 5.84 | 5.01 | 2.94 | 2.02 | 1.34 | 0.91 | 0.75 | 0.394 |
| 1.80V | 24.06 | 17.22 | 13.50 | 8.02 | 5.62 | 4.81 | 2.83 | 1.94 | 1.29 | 0.87 | 0.73 | 0.389 |

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 (F1/F2) | Advanced AGM separator for high pressure cell design | Dilute high purity sulphuric acid | Two layers epoxy resin seal |

CBB Battery Technology Co.,Ltd.

RMS04,55 Hanxing Zhong Road,Zhongcun, Panyu,Guangzhou 511495 China
 Tel: +86-020-84888946 Fax: +86-020-62824569

Koyama®

www.cbb-battery.com