

### GENERAL FEATURES

- True Deep cycle construction
- Thick plate with high Tin low Calcium alloy
- High Reliability and Good Quality
- Deep Discharge Recovery
- High Power Density
- Long float and cyclic service life

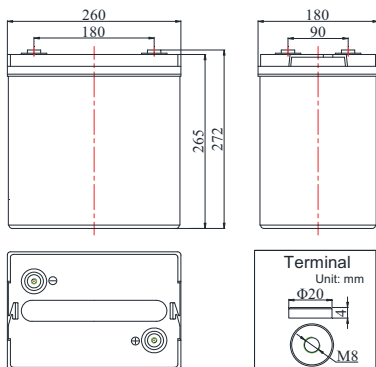
### APPLICATIONS

- Golf/Utility Vehicles
- Floor Machines
- Aerial Work Platform
- Recreational Vehicles(RV)
- Medical Mobility/Marine Vessels
- Neighborhood Electric Vehicles(NEV)
- Renewable Energy Systems



### DIMENSIONS & WEIGHT

|                  |         |
|------------------|---------|
| Length(mm)       | 260±1   |
| Width(mm)        | 180±1   |
| Height(mm)       | 265±1   |
| Total Height(mm) | 272±1   |
| Weight(kg)       | 34.5±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@12.50A,10.50V) |                             | 250Ah   |
| Capacity @25°C                                     | 10 hour rate (22.75A,10.8V) | 227.5Ah   |
|  | 5 hour rate (39.80A,10.5V)  | 199.0Ah   |
|  | 1 hour rate (139.0A,9.6V)   | 139.0Ah   |
| Internal Resistance                                | Full Charged Battery@25°C   | ≤2.8mΩ  |
| 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 45.0A<br>Voltage 6.8-6.9V  |
|  | Cycle Use                   | Initial Charging Current Less than 45.0A<br>Voltage 7.2-7.45V |

### BATTERY DISCHARGE TABEL

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

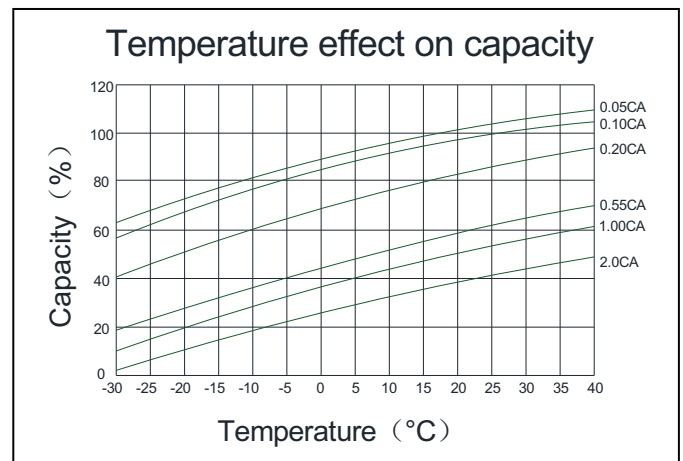
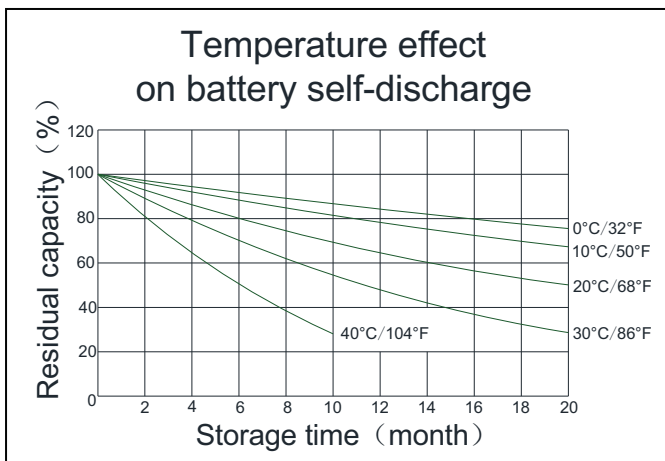
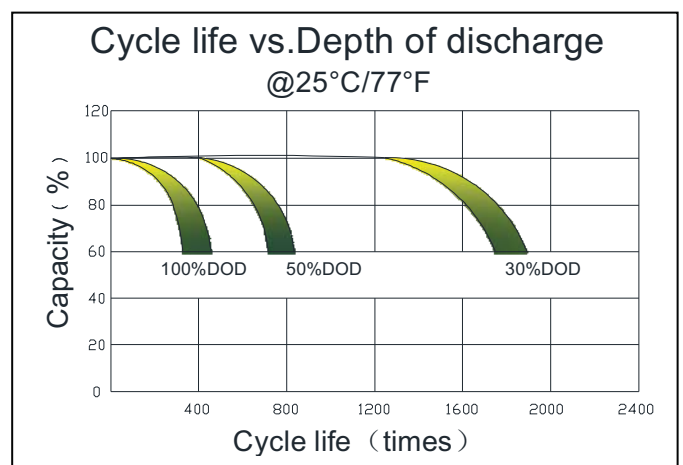
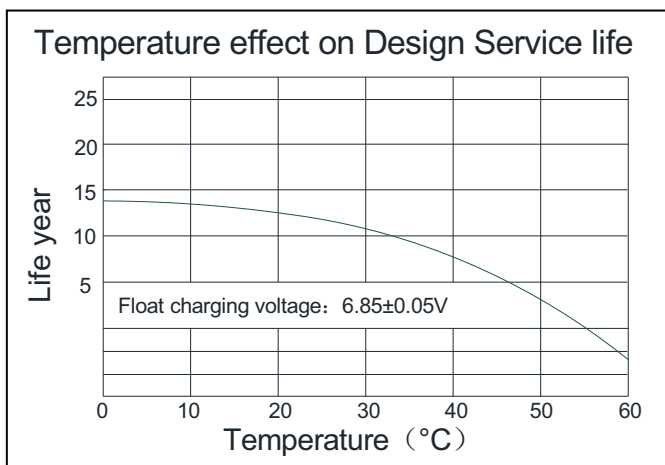
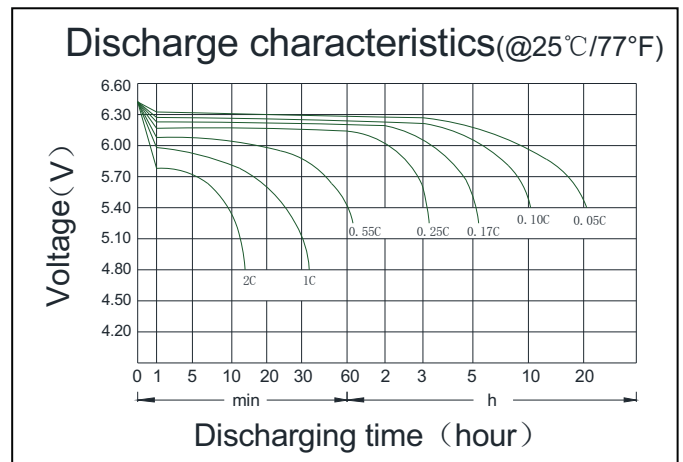
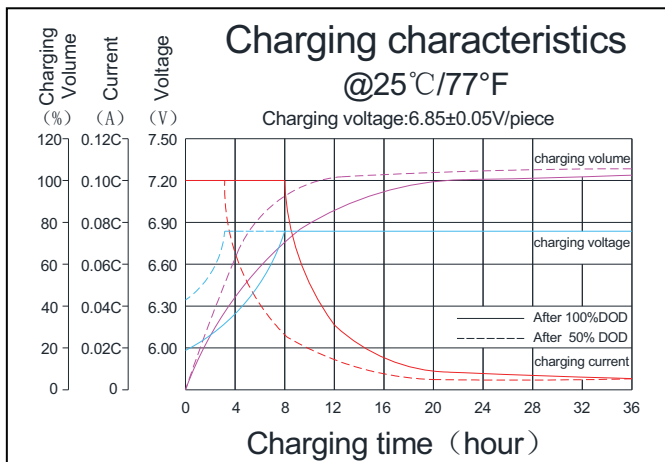
| F.V/Time | 15min | 30min | 45min | 1h    | 2h   | 3h   | 5h   | 8h   | 10h   | 20h   | 100h |
|----------|-------|-------|-------|-------|------|------|------|------|-------|-------|------|
| 1.60V    | 321.8 | 205.5 | 151.0 | 139.0 | 88.3 | 62.0 | 42.0 | 27.8 | 24.75 | 13.25 | 3.00 |
| 1.67V    | 316.0 | 201.8 | 148.3 | 136.3 | 86.5 | 60.8 | 41.3 | 27.3 | 24.25 | 13.00 | 2.95 |
| 1.70V    | 310.0 | 198.0 | 145.5 | 133.8 | 85.0 | 59.8 | 40.5 | 26.8 | 23.75 | 12.75 | 2.88 |
| 1.75V    | 304.3 | 194.3 | 142.8 | 131.3 | 83.3 | 58.5 | 39.8 | 26.3 | 23.50 | 12.50 | 2.83 |
| 1.80V    | 292.5 | 186.8 | 137.3 | 126.3 | 80.0 | 56.3 | 38.3 | 25.3 | 22.75 | 12.38 | 2.78 |

#### 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    | 619.3 | 395.5 | 290.8 | 266.8 | 169.5 | 119.0 | 81.0 | 53.3 | 47.8 | 25.9 | 5.78 |
| 1.67V    | 608.0 | 388.3 | 285.3 | 262.0 | 166.5 | 117.0 | 79.5 | 52.5 | 46.8 | 25.3 | 5.65 |
| 1.70V    | 596.8 | 381.0 | 280.0 | 257.0 | 163.5 | 114.8 | 78.0 | 51.5 | 46.0 | 25.1 | 5.55 |
| 1.75V    | 585.5 | 373.8 | 274.8 | 252.3 | 160.3 | 112.5 | 76.5 | 50.5 | 45.0 | 24.8 | 5.45 |
| 1.80V    | 563.0 | 359.5 | 264.3 | 242.5 | 154.3 | 108.3 | 73.8 | 48.5 | 43.3 | 24.0 | 5.35 |

**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 M8(torque:7~9N.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