

### 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

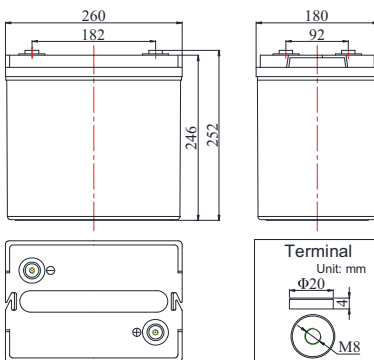
### APPLICATIONS

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



### DIMENSIONS & WEIGHT

|                  |         |
|------------------|---------|
| Length(mm)       | 260±1   |
| Width(mm)        | 180±1   |
| Height(mm)       | 246±1   |
| Total Height(mm) | 252±1   |
| Weight(kg)       | 20.5±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                         |                            | 10 Years   |
| Nominal Capacity @25°C(10 hour rate@13.00A,10.80V) |                            | 130Ah  |
| Capacity @25°C                                     | 20 hour rate (6.96A,10.5V) | 139.2Ah  |
|  | 5 hour rate (22.9A,10.5V)  | 114.5Ah  |
|  | 1 hour rate (82.9A,9.6V)   | 82.9Ah   |
| Internal Resistance                                | Full Charged Battery@25°C  | ≤3.7mΩ   |
| Ambient Temperature                                | Discharge                  | -20°C~50°C   |
|  | Charge                     | -20°C~50°C   |
|  | Storage                    | -20°C~50°C   |
| Max.Discharge Current@25°C                         |                            | 1300A(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 26A<br>Voltage 13.6-13.8V |
|  | Cycle Use                  | Initial Charging Current Less than 26A<br>Voltage 14.4-14.9V |

### BATTERY DISCHARGE TABEL

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

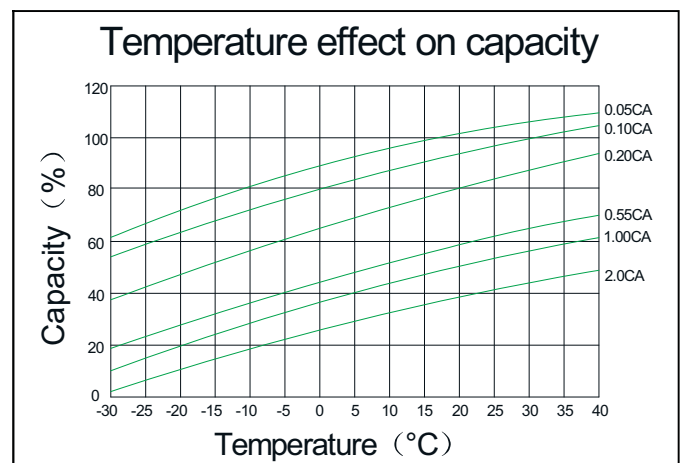
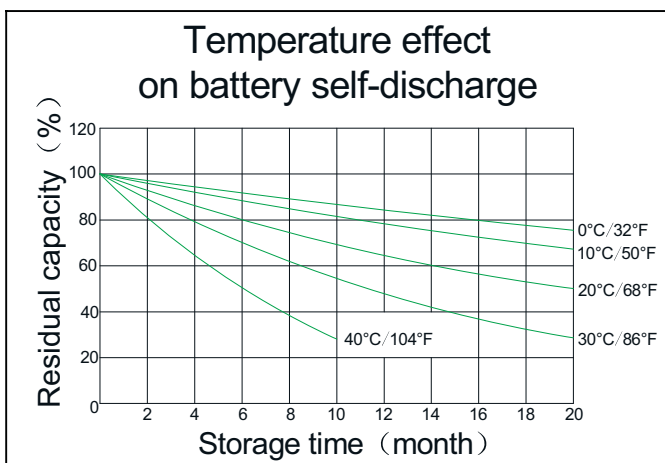
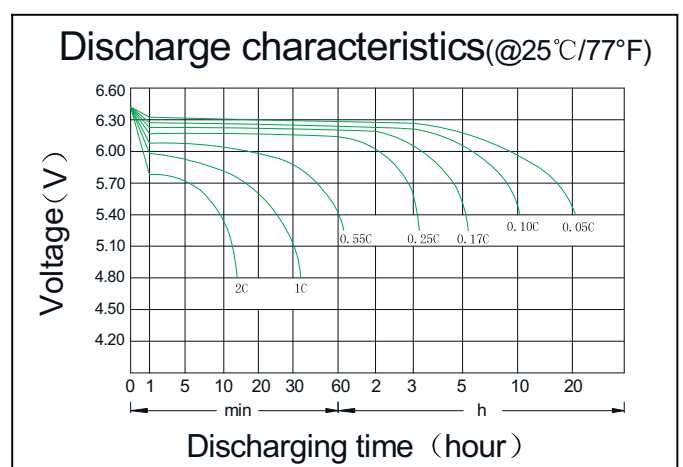
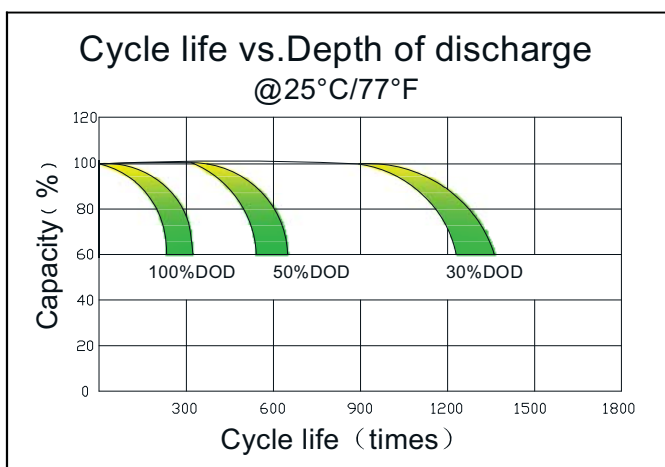
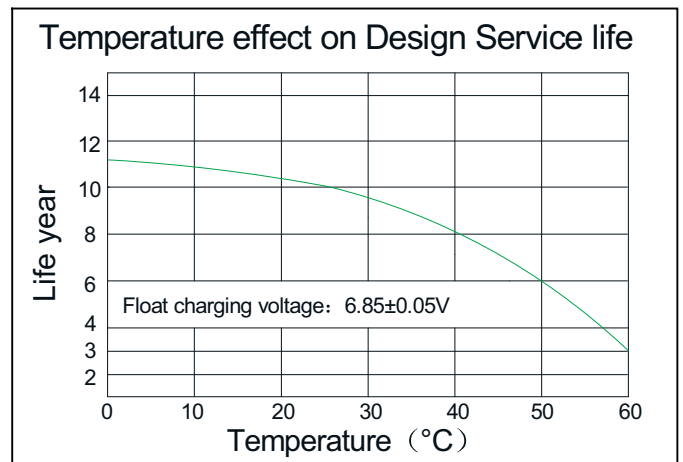
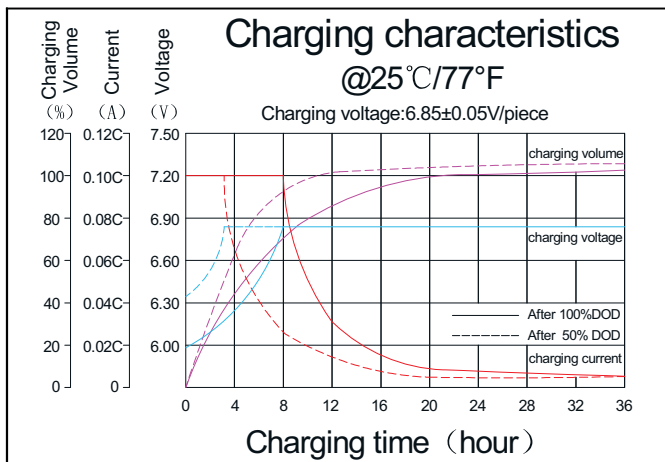
| F.V/Time | 15min | 30min | 45min | 1h   | 2h   | 3h   | 5h   | 6h   | 8h   | 10h  | 20h  |
|----------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 1.60V    | 234.7 | 138.2 | 104.7 | 82.9 | 48.8 | 35.9 | 24.2 | 21.1 | 16.5 | 13.7 | 7.22 |
| 1.67V    | 221.7 | 130.9 | 100.6 | 80.5 | 47.2 | 34.7 | 23.8 | 20.7 | 16.4 | 13.4 | 7.15 |
| 1.70V    | 208.1 | 127.1 | 97.0  | 77.4 | 45.9 | 33.8 | 23.3 | 20.3 | 16.1 | 13.3 | 7.05 |
| 1.75V    | 195.0 | 121.6 | 92.7  | 74.2 | 44.7 | 33.0 | 22.9 | 19.9 | 15.9 | 13.1 | 6.96 |
| 1.80V    | 182.9 | 117.1 | 89.3  | 71.6 | 43.0 | 32.0 | 22.4 | 19.5 | 15.6 | 13.0 | 6.89 |

#### 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    | 448.6 | 274.4 | 198.8 | 159.1 | 92.4 | 68.5 | 46.7 | 40.7 | 32.2 | 26.7 | 14.2 |
| 1.67V    | 429.3 | 257.3 | 192.0 | 154.8 | 90.0 | 66.7 | 45.9 | 40.0 | 32.0 | 26.4 | 14.1 |
| 1.70V    | 400.0 | 251.7 | 185.9 | 149.5 | 87.9 | 65.1 | 45.2 | 39.5 | 31.6 | 26.1 | 14.0 |
| 1.75V    | 375.3 | 239.6 | 178.5 | 144.0 | 85.8 | 63.8 | 44.6 | 38.9 | 31.2 | 25.9 | 13.8 |
| 1.80V    | 352.3 | 229.8 | 172.5 | 139.4 | 82.9 | 62.0 | 43.7 | 38.2 | 30.8 | 25.7 | 13.7 |

**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:9 ~11N.m) | Advanced AGM separator for high pressure cell design | Dilute high purity sulphuric acid | Two layers epoxy resin seal |