

GENERAL FEATURES

- Optimized plate achieve low IR
- 30% increased power output at 15 min
- Deep Discharge Recovery
- High Power Density
- Wide operating temperature

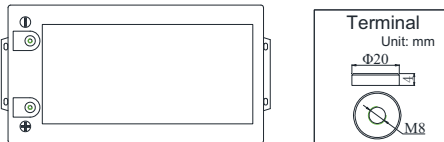
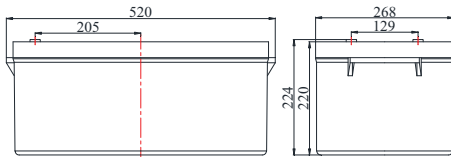
APPLICATIONS

- UPS & EPS
- Emergency lighting Systems
- Medical Equipment
- The office computer
- Cable TV Systems
- Alarm Systems



DIMENSIONS & WEIGHT

| | |
|------------------|---------|
| Length(mm) | 520±1 |
| Width(mm) | 268±1 |
| Height(mm) | 220±1 |
| Total Height(mm) | 224±1 |
| Weight(kg) | 80.5±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 | | 12 Years |
| Watts/cell@25°C(@15min,10.02V) | | 900W |
| Capacity @25°C | 10 hour rate (25.5A,10.8V) | 255Ah |
| | 3 hour rate (74.3A,10.5V) | 220Ah |
| | 1 hour rate (193.6A,9.6V) | 193.6Ah |
| Internal Resistance | Full Charged Battery@25°C | ≤3.0mΩ |
| Ambient Temperature | Discharge | -20°C~50°C |
| | Charge | -20°C~50°C |
| | Storage | -20°C~50°C |
| Max.Discharge Current@25°C | | 3800A(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 63.75A Voltage 13.6-13.8V |
| | Cycle Use | Initial Charging Current Less than 63.75A Voltage 14.4-14.9V |

BATTERY DISCHARGE TABEL

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

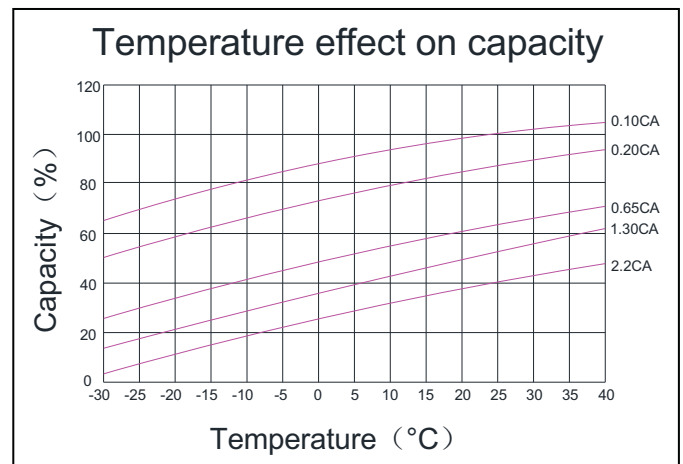
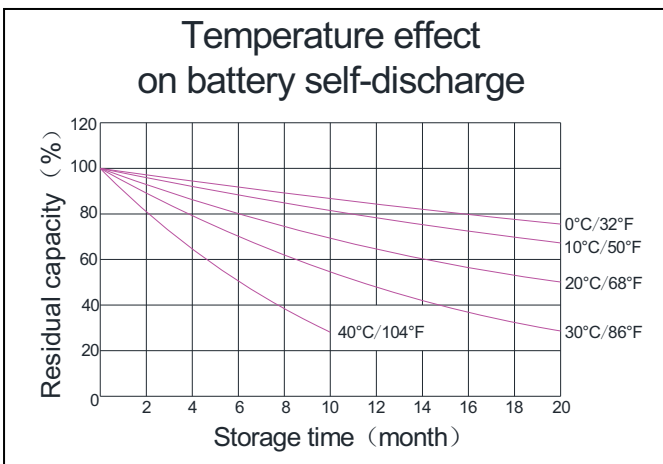
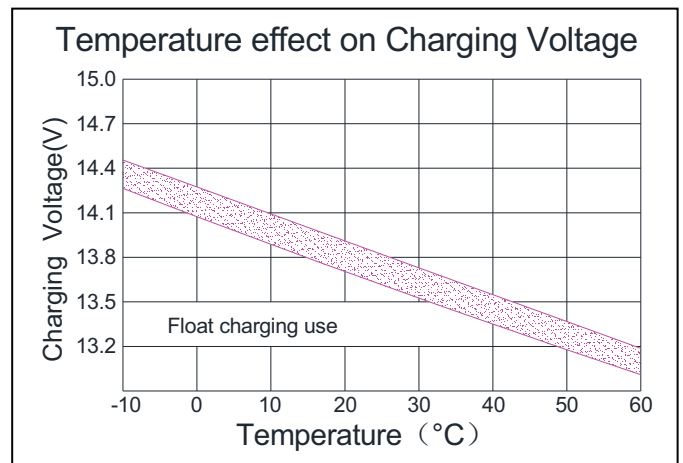
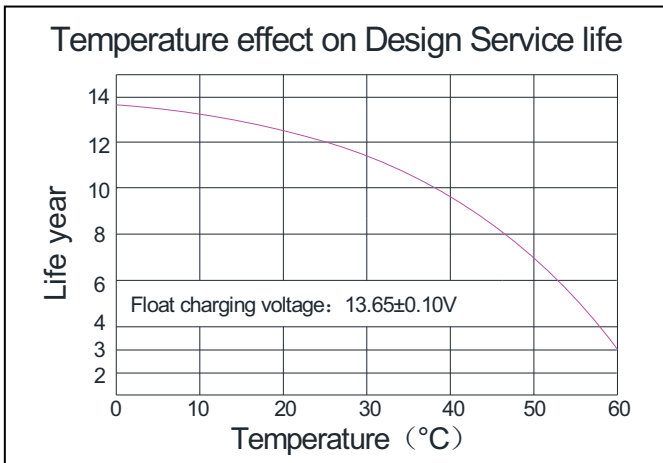
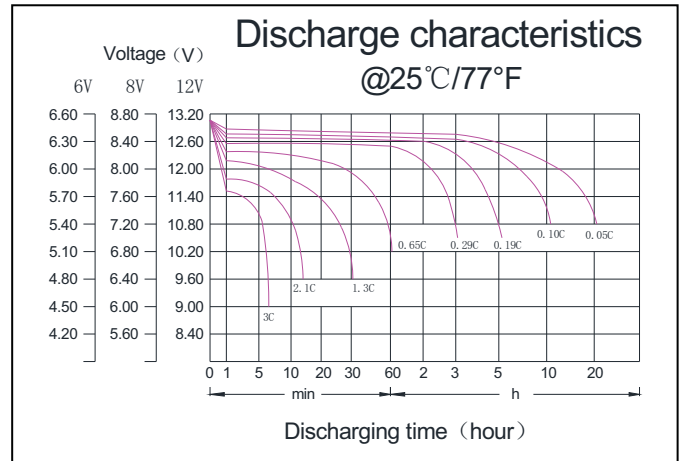
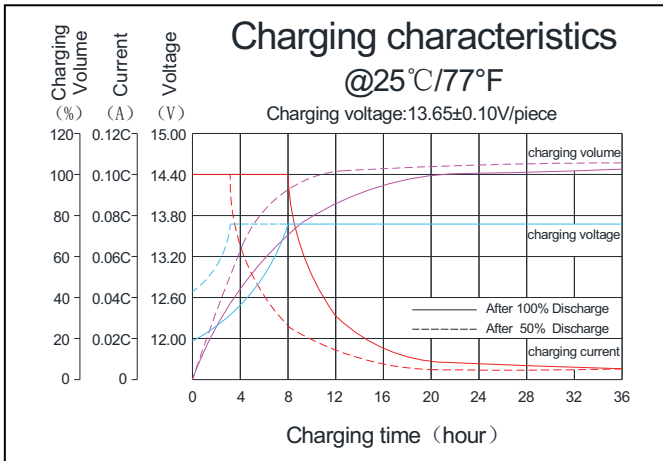
| F.V/Time | 10min | 15min | 20min | 25min | 30min | 45min | 60min | 90min | 120min | 180min | 600min |
|----------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 1.60V | 1187.8 | 915.6 | 758.6 | 645.0 | 574.8 | 433.2 | 354.7 | 251.1 | 196.9 | 135.6 | 51.0 |
| 1.67V | 1166.4 | 900.0 | 749.1 | 632.7 | 564.1 | 425.1 | 347.9 | 246.6 | 193.4 | 134.4 | 50.4 |
| 1.70V | 1144.7 | 882.9 | 735.4 | 621.2 | 553.7 | 417.3 | 341.2 | 241.5 | 189.3 | 133.8 | 49.9 |
| 1.75V | 1123.3 | 866.1 | 712.1 | 609.8 | 543.6 | 409.5 | 335.2 | 237.0 | 187.1 | 132.6 | 49.0 |
| 1.80V | 1099.6 | 841.5 | 684.8 | 594.2 | 525.3 | 393.9 | 319.7 | 229.8 | 184.4 | 130.8 | 48.5 |

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

| F.V/Time | 10min | 15min | 20min | 25min | 30min | 45min | 60min | 90min | 120min | 180min | 600min |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 1.60V | 712.6 | 547.2 | 454.4 | 395.4 | 334.7 | 247.8 | 193.6 | 139.8 | 111.4 | 78.4 | 27.7 |
| 1.67V | 699.7 | 537.2 | 448.9 | 388.3 | 328.3 | 243.3 | 191.8 | 137.3 | 109.5 | 77.1 | 27.1 |
| 1.70V | 686.4 | 527.5 | 440.6 | 381.1 | 322.3 | 238.8 | 188.9 | 134.5 | 107.2 | 75.5 | 26.8 |
| 1.75V | 673.6 | 517.5 | 426.6 | 373.9 | 316.2 | 234.4 | 185.9 | 132.0 | 105.2 | 74.3 | 26.1 |
| 1.80V | 662.7 | 507.5 | 414.6 | 359.6 | 310.1 | 231.8 | 182.6 | 128.3 | 102.3 | 72.0 | 25.5 |

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:1 2~14N.m | Advanced AGM separator for high pressure cell design | Dilute high purity sulphuric acid | Two layers epoxy resin seal |

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