

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

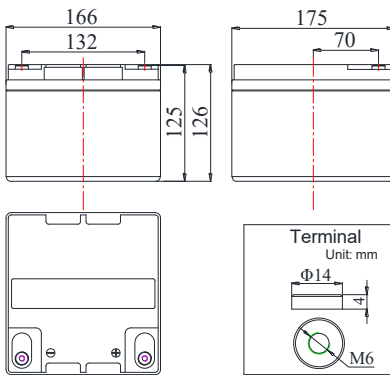
APPLICATIONS

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



DIMENSIONS & WEIGHT

| | |
|------------------|--------|
| Length(mm) | 166±1 |
| Width(mm) | 175±1 |
| Height(mm) | 126±1 |
| Total Height(mm) | 126±1 |
| Weight(kg) | 8.3±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(10 hour rate@2.60A,10.80V) | | 26Ah |
| Capacity @25°C | 20 hour rate (1.39A,10.5V) | 27.8Ah |
| | 5 hour rate (4.60A,10.5V) | 23.0Ah |
| | 1 hour rate (16.6A,9.6V) | 16.6Ah |
| Internal Resistance | Full Charged Battery@25°C | ~ 12.5mΩ |
| Ambient Temperature | Discharge | -20°C ~50°C |
| | Charge | -20°C ~50°C |
| | Storage | -20°C ~50°C |
| Max.Discharge Current@25°C | | 260A(5s) |
| Capacity affected by Temperature (10 hr Capacity) | 40°C | 102% |
| | 25°C | 100% |
| | 0°C | 85% |
| | -15°C | 65% |
| Self-Discharge @25°C | | 3% |
| Charge (Constant Voltage) @25°C | Standby Use | Initial Charging Current Less than 6.5A Voltage 13.6-13.8V |
| | Cycle Use | Initial Charging Current Less than 6.5A Voltage 14.4-14.9V |

BATTERY DISCHARGE TABLE

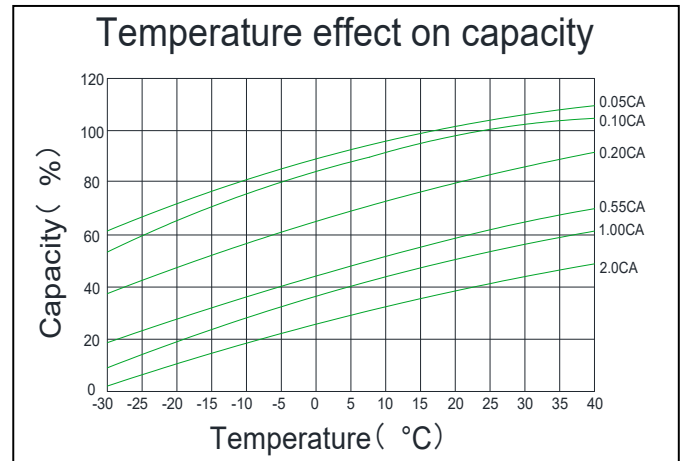
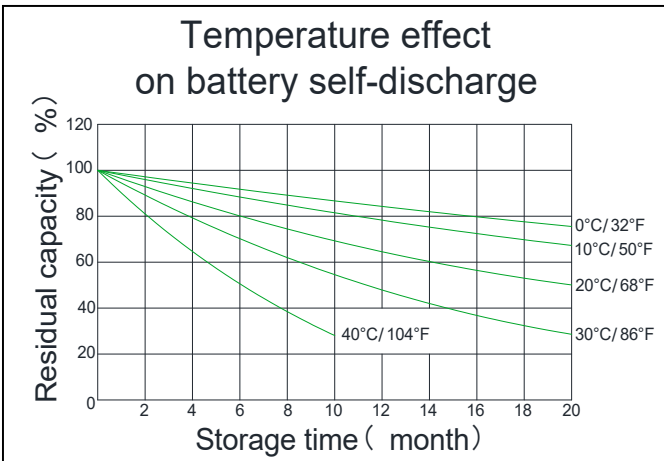
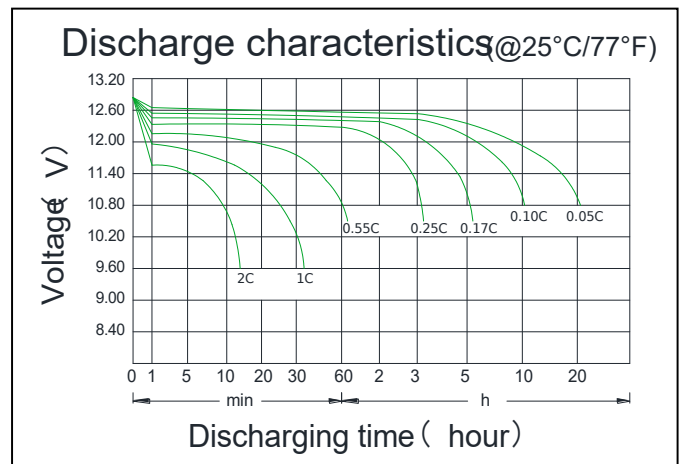
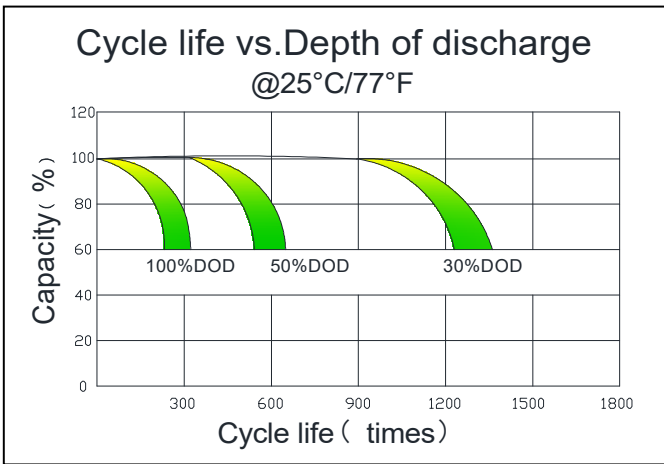
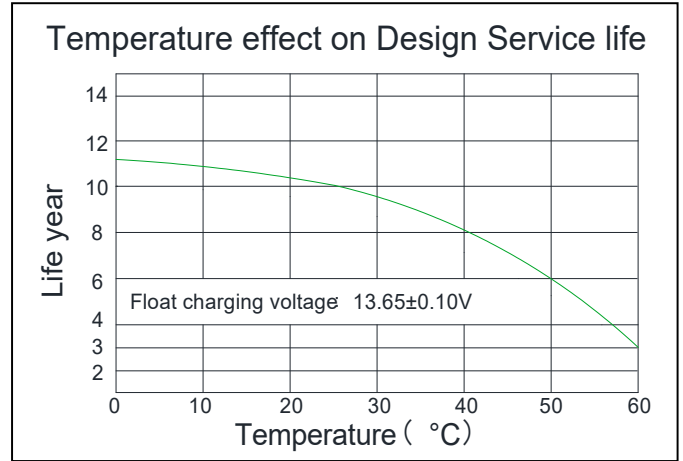
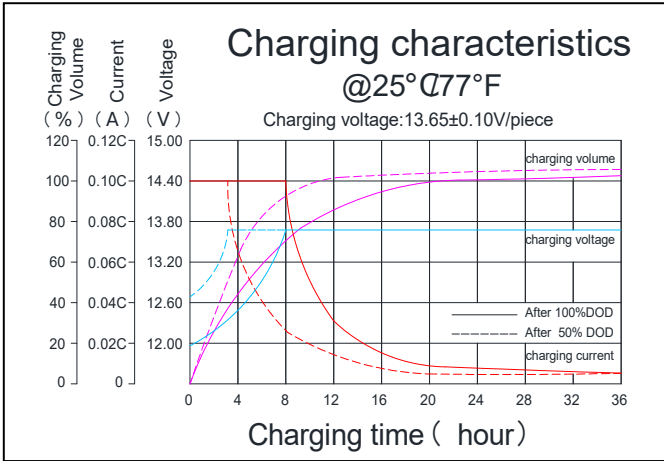
Discharge Constant Current per Cell (Amperes at 25°C)

| F.V/Time | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 6h | 8h | 10h | 20h |
|----------|-------|-------|-------|------|-----|-----|-----|-----|-----|-----|------|
| 1.60V | 46.9 | 27.6 | 20.9 | 16.6 | 9.8 | 7.2 | 4.8 | 4.2 | 3.3 | 2.7 | 1.44 |
| 1.67V | 44.3 | 26.2 | 20.1 | 16.1 | 9.4 | 6.9 | 4.8 | 4.1 | 3.3 | 2.7 | 1.43 |
| 1.70V | 41.6 | 25.4 | 19.4 | 15.5 | 9.2 | 6.8 | 4.7 | 4.1 | 3.2 | 2.7 | 1.41 |
| 1.75V | 39.0 | 24.3 | 18.5 | 14.8 | 8.9 | 6.6 | 4.6 | 4.0 | 3.2 | 2.6 | 1.39 |
| 1.80V | 36.6 | 23.4 | 17.9 | 14.3 | 8.6 | 6.4 | 4.5 | 3.9 | 3.1 | 2.6 | 1.38 |

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 | 89.7 | 54.9 | 39.8 | 31.8 | 18.5 | 13.7 | 9.3 | 8.1 | 6.4 | 5.3 | 2.85 |
| 1.67V | 85.9 | 51.5 | 38.4 | 31.0 | 18.0 | 13.3 | 9.2 | 8.0 | 6.4 | 5.3 | 2.83 |
| 1.70V | 80.0 | 50.3 | 37.2 | 29.9 | 17.6 | 13.0 | 9.0 | 7.9 | 6.3 | 5.2 | 2.79 |
| 1.75V | 75.1 | 47.9 | 35.7 | 28.8 | 17.2 | 12.8 | 8.9 | 7.8 | 6.2 | 5.2 | 2.77 |
| 1.80V | 70.5 | 46.0 | 34.5 | 27.9 | 16.6 | 12.4 | 8.7 | 7.6 | 6.2 | 5.1 | 2.75 |

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 M6(torque:3 ~4N.m) | Advanced AGM separator for high pressure cell design | Dilute high purity sulphuric acid | Two layers epoxy resin seal |