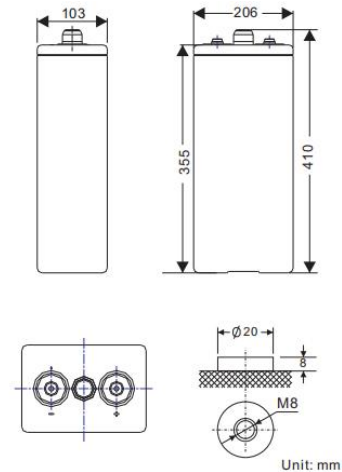


Main Advantages

- ▶ Adopt tubular positive plate
- ▶ Longest lifespan under deep discharge
- ▶ Strong temperature resistance performance
- ▶ Better charge reception capability
- ▶ 20 years design life



Dimension: 103(L) × 206(W) × 355(H) × 410(TH) Unit: mm



| Specification | |
|-----------------------------------|--|
| Rated Voltage | 2V |
| Nominal Capacity(C10, 1.80V/cell) | 200Ah |
| Terminal | M8 $\Phi=20$ |
| Approx. Weight | Approx. 17.5Kg (dry cell: 12.8Kg) |
| Container Material | SAN transparent container |
| Max. Discharge Current | 2400A (5 sec) |
| Internal resistance(25°C) | Approx 0.9 m Ω (fully charged) |
| Operating temperature range | Discharge: -20°C ~ 55°C Charge : -10°C ~ 45°C Storage : -15°C ~ 45°C |
| Self discharge | ≤3%/month @ 25°C |
| Design life | 20 years (floating design) |
| Cycle use | |
| Charging current | ≤50A |
| Voltage | 2.35-2.40V/cell |
| Temperature compensation | -5mV/ °C |
| Standby use | |
| Charging current | No limit |
| Voltage | 2.23V/cell |
| Temperature compensation | -3mV/ °C |

Rated Capacity(25°C)

| | |
|---------------------------------|---------|
| 120 Hour Rate (2.366A to 1.85V) | 283.9Ah |
| 20 Hour Rate (12.41A to 1.8V) | 248.2Ah |
| 10 Hour Rate (21.13A to 1.8V) | 211.3Ah |
| 5 Hour Rate (36.08A to 1.75V) | 180.4Ah |
| 1 Hour Rate (121.2A to 1.60V) | 121.2Ah |

Constant Current Discharge Characteristics: A (25°C)

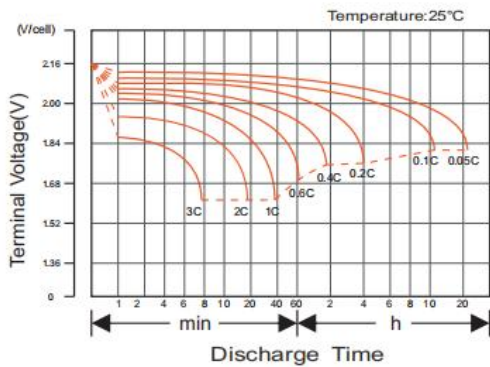
| F.V./Time | 30 min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 24h | 48h |
|-----------|--------|-----|----|----|----|----|----|------|------|------|------|
| 1.60V | 169 | 115 | 72 | 52 | 41 | 36 | 31 | 25.5 | 21.2 | 9.44 | 5.22 |
| 1.65V | 163 | 113 | 71 | 51 | 41 | 35 | 31 | 25.3 | 21.1 | 9.44 | 5.18 |
| 1.70V | 156 | 109 | 69 | 50 | 40 | 35 | 31 | 25.0 | 21.0 | 9.34 | 5.14 |
| 1.75V | 150 | 106 | 67 | 49 | 40 | 34 | 30 | 24.6 | 20.7 | 9.18 | 5.08 |
| 1.80V | 137 | 101 | 65 | 48 | 39 | 33 | 29 | 23.9 | 20.1 | 8.96 | 4.98 |
| 1.85V | 122 | 94 | 61 | 47 | 38 | 32 | 28 | 23.3 | 19.8 | 8.68 | 4.74 |
| 1.95V | 99 | 75 | 53 | 42 | 35 | 30 | 26 | 21.1 | 17.8 | 7.96 | 4.44 |

Constant Power Discharge Characteristics: W (25°C)

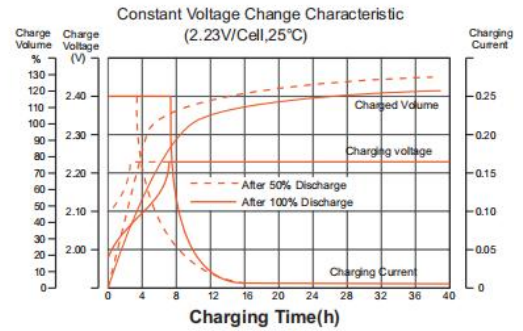
| F.V./Time | 30 min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 24h | 48h |
|-----------|--------|-----|-----|----|----|----|----|------|------|-------|------|
| 1.60V | 307 | 213 | 133 | 96 | 77 | 66 | 58 | 47.4 | 39.4 | 17.62 | 9.90 |
| 1.65V | 300 | 208 | 130 | 95 | 76 | 65 | 58 | 47.1 | 39.3 | 17.58 | 9.86 |
| 1.70V | 288 | 202 | 127 | 93 | 75 | 64 | 57 | 46.4 | 39.1 | 17.38 | 9.78 |
| 1.75V | 278 | 197 | 125 | 91 | 74 | 64 | 56 | 45.8 | 38.7 | 17.24 | 9.74 |
| 1.80V | 257 | 190 | 122 | 91 | 73 | 63 | 55 | 45.5 | 37.8 | 17.02 | 9.64 |
| 1.85V | 232 | 178 | 116 | 89 | 72 | 62 | 54 | 44.6 | 38.0 | 16.82 | 9.36 |
| 1.95V | 195 | 148 | 105 | 82 | 69 | 60 | 52 | 41.9 | 35.5 | 16.06 | 9.10 |

Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

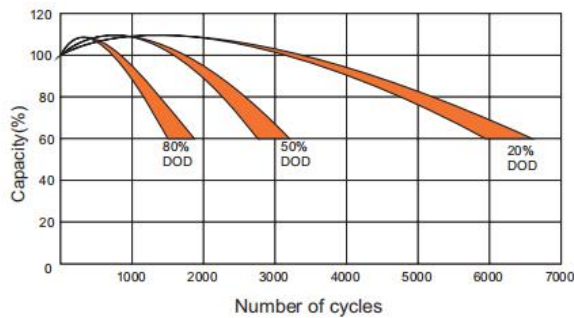
Discharge Characteristics Curve



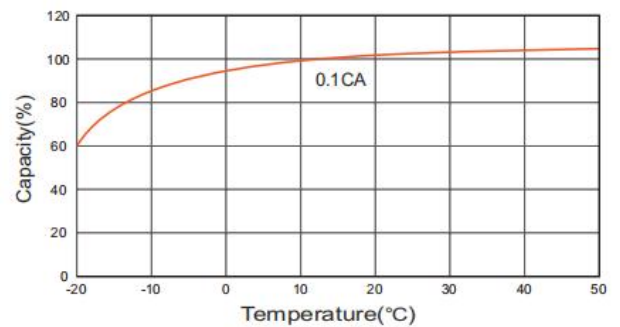
Charging Characteristics Curve



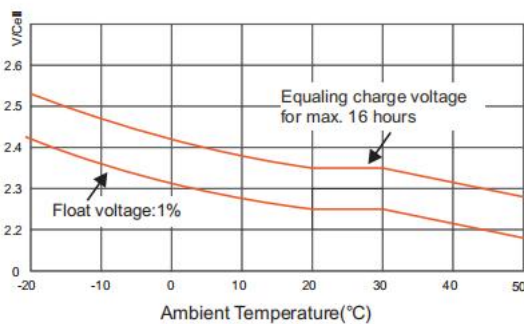
Cycle life of Different DOD



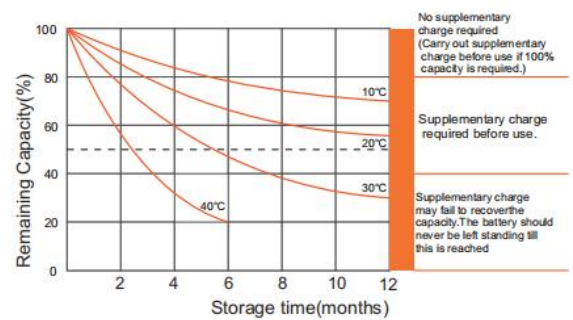
Temperature effects on capacity



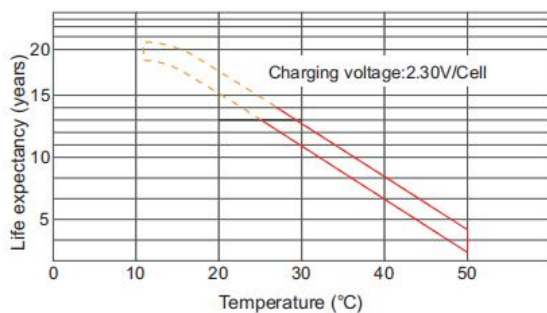
Charging voltage and temperature relationship



Self discharge Characteristics



Temperature effects on floating life



Life characteristics of standby use

