

GT-M

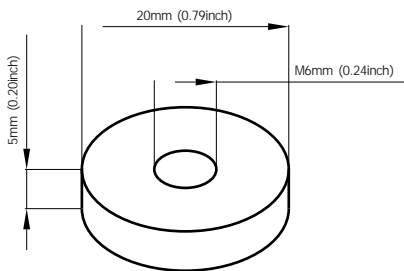
range (Long Service Life) utilizes thick grids of modern technology so as to guarantee the design life up to 15 years. Advanced micro porous absorbent glass mat(AGM) separator, minimizing diffusion of oxygen into the separator, reduces float charge current which suppresses the corrosion rate of the positive grid, and extends the life of the battery.

Applications

- Electric Car & Scooter
- Toys and Spot Light
- Photovoltaic Solar System
- Marine Application
- UPS
- Toy

General Features

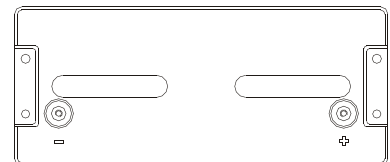
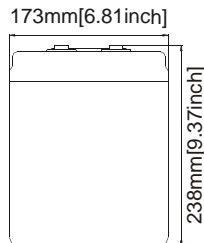
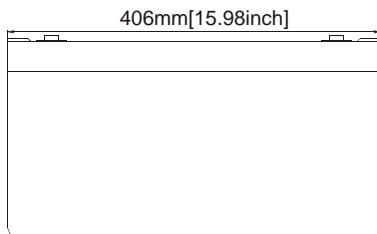
- Ideal for cyclic uses
- Good tolerance to higher temperature applications.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Extra durability and deep cycle ability for heavy demand applications.
- Low self discharge characteristic.
- Good tolerance to higher temperature applications.



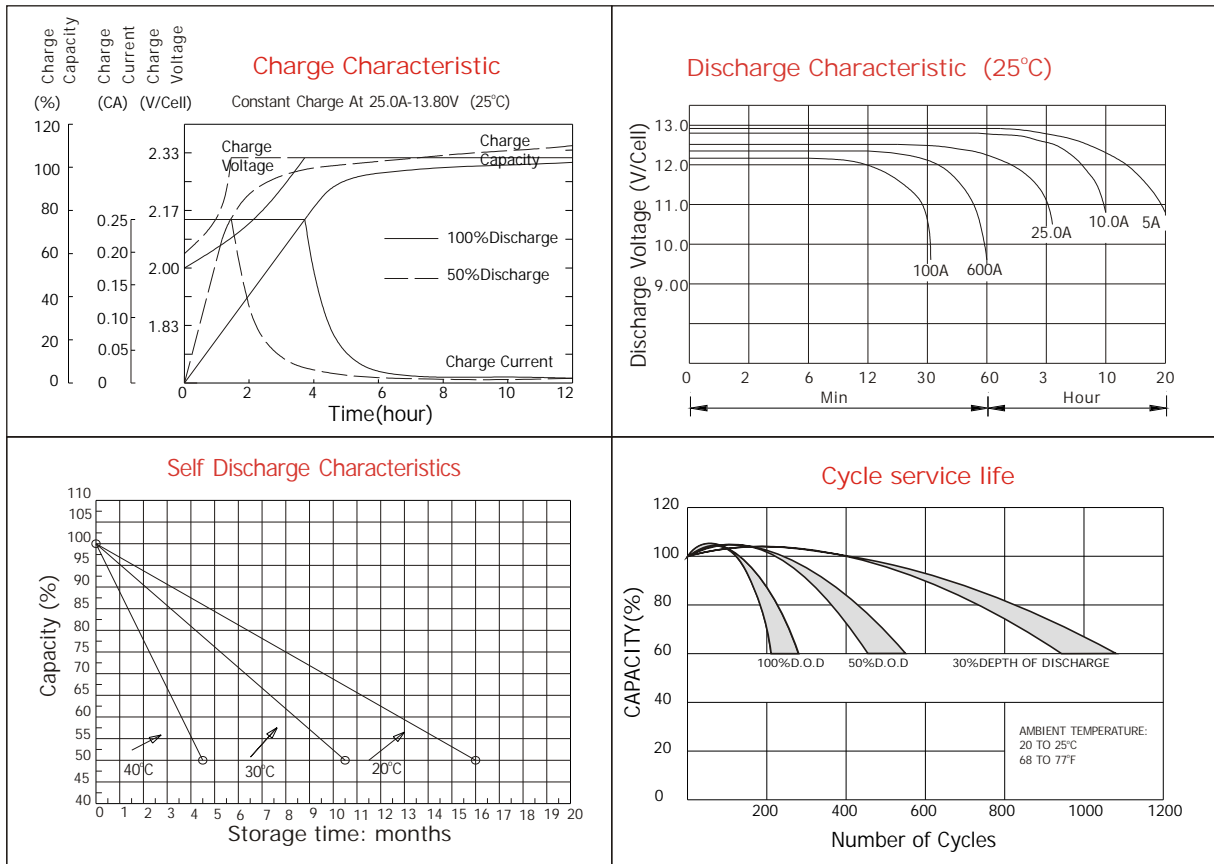
Standard Terminal Dimensions
(Optional terminal please check terminal information page)

Construction

- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalLead
- SeparatorAGM
- Electrolytesulfuric acid thixotropic Gel



| | | | | |
|----------------------------------|---|-------------------|-----------------------|-----------------|
| Battery Model | GT12-100M | | | |
| Designed Life | 10-12 Years (Floating) | | | |
| Capacity(25°C) | 20HR(5.1A,1.75V) | 10HR(10.0A,1.75V) | 5HR(18.2A,1.75V) | 1HR(58A,1.75V) |
| | 102Ah | 100Ah | 91Ah | 58Ah |
| Dimensions | Length | Width | Height | Total Height |
| | 406mm(15.98inch) | 173mm(6.81inch) | 218mm(8.58inch) | 218mm(8.58inch) |
| Approx. Weight | 36Kg (79.2 lbs) | | | |
| Internal Resistance | Full charged at 25°C: 0.0049 Ohm | | | |
| Self Discharge | 3% of capacity declined per month at (25°C) | | | |
| Capacity Affected by Temp.(20HR) | 40°C | 25°C | 0°C | -15°C |
| | 105% | 100% | 85% | 68% |
| Charge Voltage(25°C) | Cycle use | | Float use | |
| | 14.4-15V(-30mV/ °C), max. Current: 25A | | 13.6-13.8V(-20mV/ °C) | |



Constant current discharge ratings-amperes at 25°C

| F.V/Time | 5MIN | 15MIN | 30MIN | 1HR | 3HR | 5HR | 8HR | 10HR | 20HR |
|----------|------|-------|-------|-----|------|------|------|------|------|
| 1.60V | 335 | 172 | 103 | 61 | 27.9 | 18.4 | 12.7 | 10.3 | 5.3 |
| 1.67V | 305 | 162 | 101 | 61 | 27.6 | 18.3 | 12.6 | 10.2 | 5.2 |
| 1.70V | 295 | 158 | 100 | 60 | 27.5 | 18.2 | 12.5 | 10.1 | 5.2 |
| 1.75V | 266 | 150 | 98 | 58 | 27.2 | 18.2 | 12.4 | 10.0 | 5.1 |
| 1.80V | 240 | 142 | 95 | 55 | 27.0 | 18.0 | 12.2 | 9.8 | 5.0 |
| 1.85V | 212 | 132 | 90 | 50 | 24.0 | 17.0 | 11.7 | 9.5 | 4.95 |

Constant power discharge ratings-watts at 25°C

| F.V/Time | 5MIN | 15MIN | 30MIN | 1HR | 3HR | 5HR | 8HR | 10HR | 20HR |
|----------|------|-------|-------|-----|------|------|------|------|------|
| 1.60V | 453 | 265 | 172 | 100 | 47.5 | 32.8 | 22.8 | 19.2 | 10.8 |
| 1.67V | 449 | 263 | 172 | 99 | 47.4 | 32.8 | 22.8 | 19.2 | 10.8 |
| 1.70V | 447 | 262 | 172 | 99 | 47.3 | 32.8 | 22.8 | 19.2 | 10.8 |
| 1.75V | 442 | 260 | 171 | 99 | 47.0 | 32.7 | 22.8 | 19.2 | 10.8 |
| 1.80V | 432 | 256 | 170 | 98 | 46.7 | 32.5 | 22.7 | 19.0 | 10.7 |
| 1.85V | 329 | 246 | 164 | 93 | 44.8 | 31.7 | 22.0 | 18.7 | 10.3 |

