



Gaston GT-C

range (deep cycle) is designed specially to have a large amount of stored current discharged between charging sessions, with heavy non-porous battery plate that is made of a different chemical for the plates active paste material and a electrolyte stronger slightly than normal battery electrolyte. It enhances a superior performance of high power output and excellent deep cycle life for energy applications.

Applications

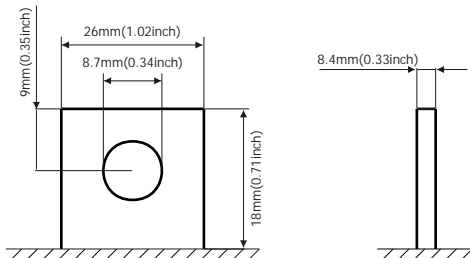
- Electric Powered Vehicle
- Golf Cars and Buggy
- Wheel Chair
- Power Tool
- Electric Powered Toy
- Control System
- Vacuum Cleaner
- Medical Equipment
- UPS
- PVs

General Features

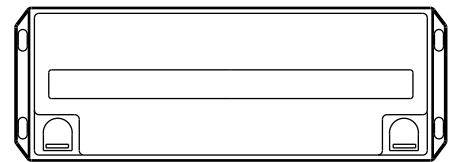
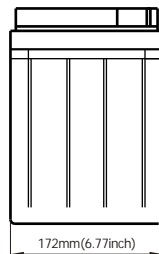
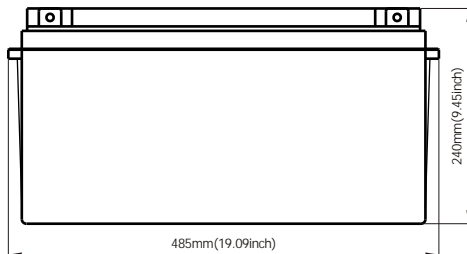
- Better discharge characteristics than normal VRLA batteries.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Extra durability and deep cycle ability for heavy demand applications.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

Construction

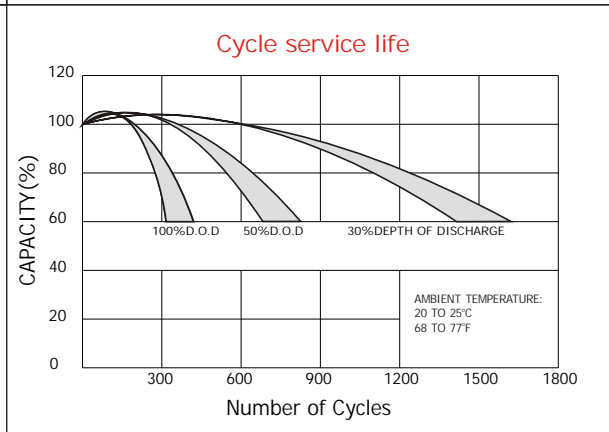
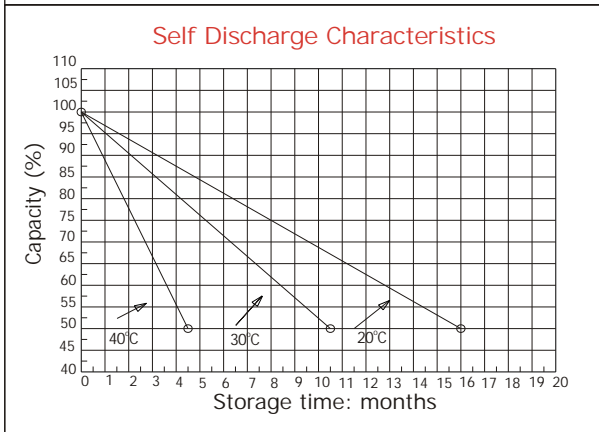
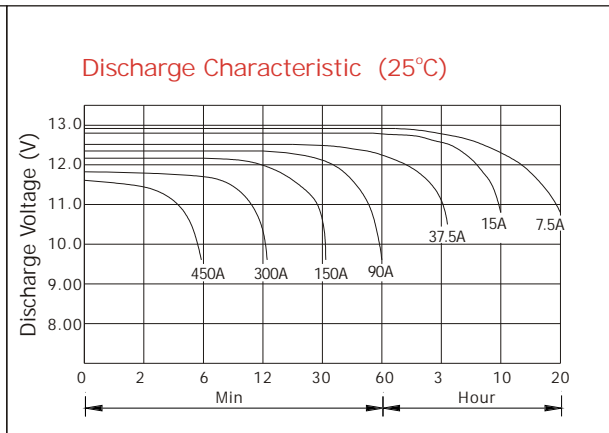
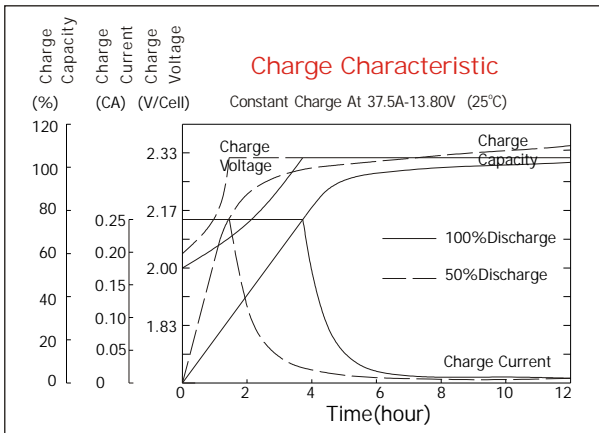
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalLead
- SeparatorFiber glass
- ElectrolyteSulfuric acid



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



| | | | | |
|----------------------------------|---|-----------------|-----------------------|-----------------|
| Battery Model | GT12-150C | | | |
| Designed Cycle Life | > 350 cycles @ -0.5CA to 9.6V | | | |
| Capacity(25°C) | 20HR(7.7A,1.75V) | 10HR(15A,1.75V) | 5HR(25.5A,1.75V) | 1HR(96A,1.75V) |
| | 154Ah | 150Ah | 127.5Ah | 96Ah |
| Dimensions | Length | Width | Height | Total Height |
| | 485mm(19.1inch) | 172mm(6.77inch) | 240mm(9.45inch) | 240mm(9.45inch) |
| Approx. Weight | 45Kg (99.2 lbs) | | | |
| Internal Resistance | Full charged at 25°C: 0.004 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 |
| | 102% | 100% | 85% | 65% |
| Charge Voltage(25°C) | Cycle use | | Float use | |
| | 14.4-15V(-30mV/ °C), max. Current: 37.5A | | 13.6-13.8V(-20mV/ °C) | |



Constant current discharge ratings-amperes at 25°C

| F.V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 1HR | 3HR | 5HR | 10HR | 20HR |
|----------|------|-------|-------|-------|------|------|------|------|------|
| 1.60V | 656 | 408 | 308 | 188 | 109 | 48.0 | 29.4 | 16.0 | 8.64 |
| 1.67V | 616 | 387 | 296 | 180 | 108 | 46.2 | 28.7 | 15.8 | 8.34 |
| 1.70V | 564 | 373 | 289 | 163 | 105 | 43.1 | 28.1 | 15.8 | 8.21 |
| 1.75V | 553 | 361 | 280 | 155 | 99.8 | 41.7 | 27.5 | 15.7 | 7.99 |
| 1.80V | 495 | 345 | 254 | 144 | 93.4 | 40.0 | 25.9 | 15.4 | 7.78 |
| 1.85V | 437 | 329 | 229 | 132 | 87.1 | 38.6 | 24.2 | 15.2 | 7.56 |

Constant power discharge ratings-watts at 25°C

| F.V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 1HR | 3HR | 5HR | 10HR | 20HR |
|----------|------|-------|-------|-------|-----|------|------|------|------|
| 1.60V | 1151 | 737 | 562 | 338 | 198 | 85.2 | 49.6 | 32.9 | 17.2 |
| 1.67V | 1110 | 718 | 555 | 331 | 196 | 82.5 | 49.4 | 32.6 | 16.6 |
| 1.70V | 1045 | 711 | 550 | 310 | 193 | 78.8 | 48.8 | 31.6 | 16.4 |
| 1.75V | 1052 | 709 | 546 | 301 | 189 | 77.0 | 48.3 | 31.4 | 16.0 |
| 1.80V | 963 | 698 | 506 | 287 | 178 | 74.7 | 46.8 | 30.8 | 15.6 |
| 1.85V | 873 | 663 | 459 | 269 | 168 | 72.5 | 45.3 | 30.4 | 15.3 |

