



### 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

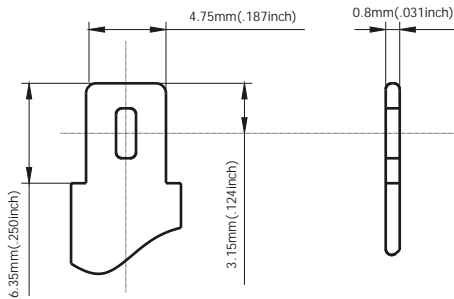
- Electric Powered Vehicle
- Golf Cars and Buggy
- Wheel Chair
- Power Tool
- Electric Powered Toy
- Control System
- Vacuum Cleaner
- Medical Equipment
- UPS
- PVs

### General Features

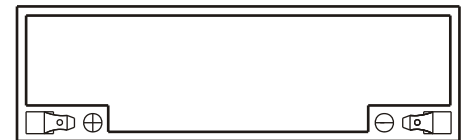
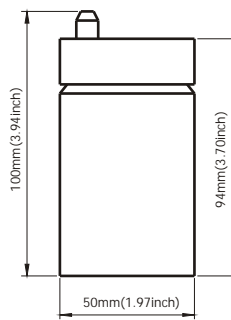
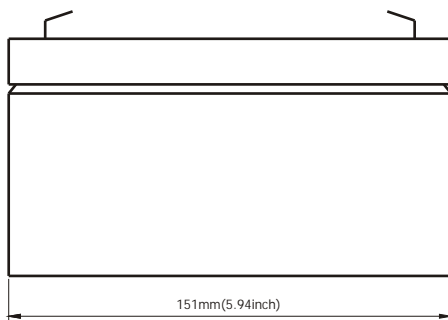
- Better discharge characteristics than normal VRLA batteries.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Extra durability and deep cycle ability for heavy demand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

### Construction

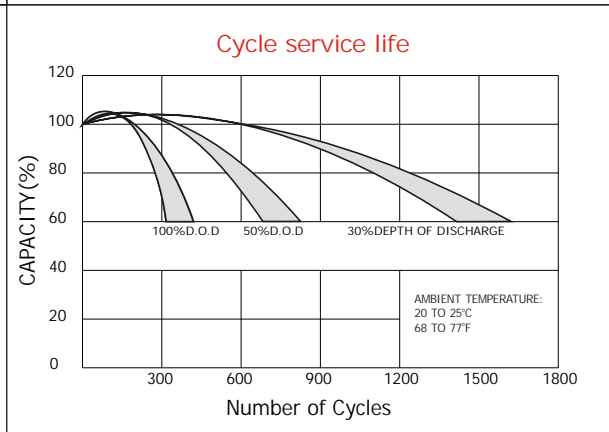
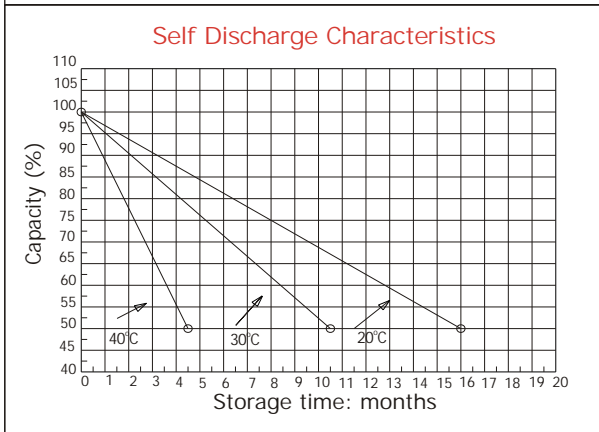
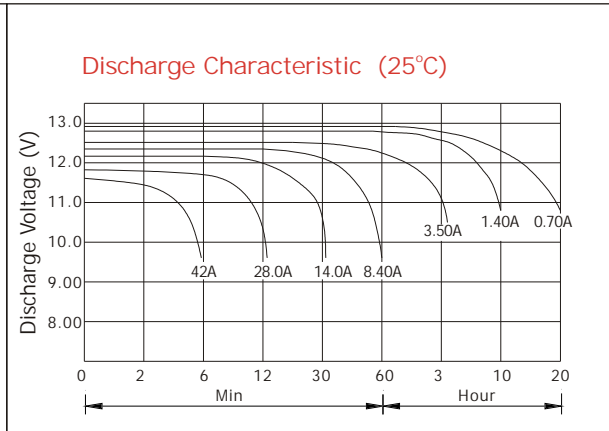
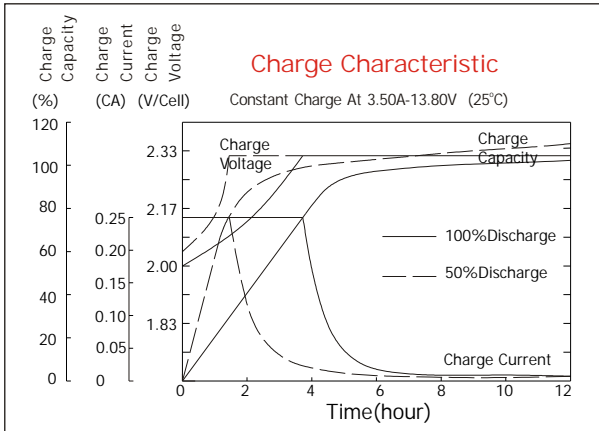
- Component .....Raw material
- Positive .....Lead dioxide
- Negative .....Lead
- Container .....ABS
- Cover .....ABS
- Sealant .....Epoxy Resin
- Safety valve .....EPDR
- Terminal .....Copper
- Separator .....Fiber glass
- Electrolyte .....Sulfuric acid



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



|                                  |   |                  |                     |                 |
|----------------------------------|---|------------------|---------------------|-----------------|
| Battery Model                    | GT6-14C                                     |                  |                     |                 |
| Designed Cycle Life              | > 350 cycles @ -0.5CA to 9.6V               |                  |                     |                 |
| Capacity(25°C)                   | 20HR(0.7A,1.75V)                            | 10HR(1.3A,1.75V) | 5HR(2.38A,1.75V)    | 1HR(8.5A,1.75V) |
|                                  | 14Ah  | 13Ah             | 11.9Ah              | 8.5Ah           |
| Dimensions                       | Length                                      | Width            | Height              | Total Height    |
|                                  | 151mm(5.94inch)                             | 50mm(1.34inch)   | 94mm(3.70inch)      | 100mm(3.94inch) |
| Approx. Weight                   | 1.90Kg (4.18 lbs)                           |                  |                     |                 |
| Internal Resistance              | Full charged at 25°C: 0.01 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           |                 |
|                                  | 7.2-7.5V(-15mV/ °C), max. Current: 4.2A     |                  | 6.8-6.9V(-10mV/ °C) |                 |



**Constant current discharge ratings-amperes at 25°C**

| F. V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 1HR  | 3HR  | 5HR  | 10HR | 20HR |
|-----------|------|-------|-------|-------|------|------|------|------|------|
| 1.60V     | 67.4 | 41.9  | 31.6  | 19.3  | 9.81 | 4.31 | 2.63 | 1.43 | 0.77 |
| 1.67V     | 63.2 | 39.8  | 30.4  | 18.4  | 9.68 | 4.14 | 2.58 | 1.42 | 0.75 |
| 1.70V     | 57.9 | 38.3  | 29.7  | 16.8  | 9.38 | 3.86 | 2.52 | 1.41 | 0.74 |
| 1.75V     | 56.8 | 37.1  | 28.7  | 15.9  | 8.94 | 3.74 | 2.47 | 1.41 | 0.72 |
| 1.80V     | 50.8 | 35.4  | 26.1  | 14.8  | 8.37 | 3.59 | 2.32 | 1.38 | 0.70 |
| 1.85V     | 44.8 | 33.8  | 23.5  | 13.6  | 7.80 | 3.46 | 2.17 | 1.36 | 0.68 |

**Constant power discharge ratings-watts at 25°C**

| F. V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 1HR  | 3HR  | 5HR  | 10HR | 20HR |
|-----------|------|-------|-------|-------|------|------|------|------|------|
| 1.60V     | 118  | 75.7  | 57.7  | 34.7  | 17.7 | 7.64 | 4.45 | 2.94 | 1.55 |
| 1.67V     | 114  | 73.8  | 57.0  | 34.0  | 17.6 | 7.40 | 4.43 | 2.93 | 1.49 |
| 1.70V     | 107  | 73.0  | 56.5  | 31.9  | 17.3 | 7.07 | 4.37 | 2.91 | 1.47 |
| 1.75V     | 108  | 72.8  | 56.0  | 30.9  | 17.0 | 6.90 | 4.33 | 2.87 | 1.44 |
| 1.80V     | 98.9 | 71.7  | 52.0  | 29.5  | 16.0 | 6.70 | 4.20 | 2.83 | 1.40 |
| 1.85V     | 89.7 | 68.1  | 47.1  | 27.6  | 15.0 | 6.50 | 4.06 | 2.80 | 1.34 |