

# GEL12250AG

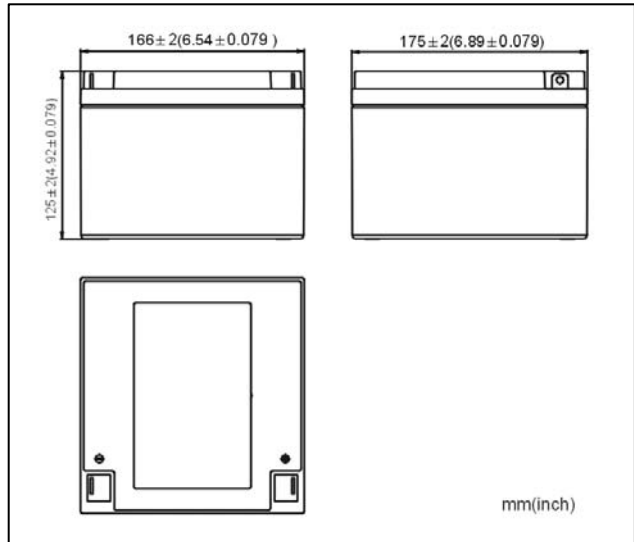
## NON-SPILLABLE RECHARGEABLE SEALED LEAD ACID BATTERY



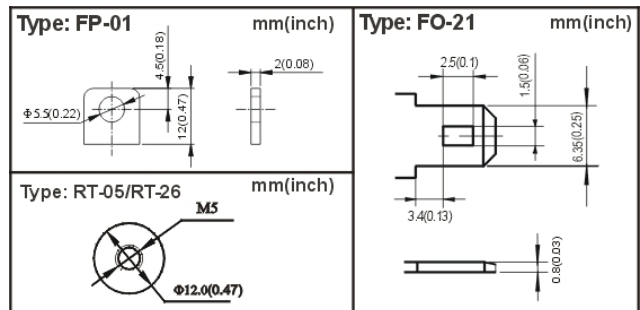
### ■ FEATURES

- Design with flat plate, GEL electrolyte and AGM separator technology;
- GEL electrolyte inside of battery keeps uniformity condition, battery is with excellent cycle life;
- GEL electrolyte has huge thermal capacity, thermal runaway phenomena never occur;
- High strength ABS material for container & lid;
- Wide temperature scope of application ( $-15^{\circ}\text{C} \sim 45^{\circ}\text{C}$ ). Best temperature of application ( $20 \pm 5^{\circ}\text{C}$ );
- No leaking, safe and reliable;
- Standing or lying down for using, convenient to transport and install;
- Low self-discharge rate.

### ■ DIMENSION



### ■ TERMINAL



### ■ SPECIFICATIONS

|                                     |                       |                                      |                         |                          |  |
|-------------------------------------|-----------------------|--------------------------------------|-------------------------|--------------------------|--|
| Nominal Voltage                     | 12V                   | Capacity                             | C <sub>20</sub>         | 25Ah (10.5V, at 25°C)    |  |
| Nominal Capacity (C <sub>20</sub> ) | 25Ah (10.5V, at 25°C) |                                      | C <sub>10</sub>         | 22.5Ah (10.5V, at 25°C)  |  |
| Dimension                           | Length 166mm          |                                      | C <sub>3</sub>          | 18.75Ah (10.5V, at 25°C) |  |
|                                     | Width 175mm           |                                      | C <sub>1</sub>          | 15Ah (10.2V, at 25°C)    |  |
|                                     | Height 125mm          | Internal Resistance                  | Approx. 15 mΩ (25°C)    |                          |  |
|                                     | Total Height 125mm    | Max Short-duration Discharge Current | 750A(25°C)              |                          |  |
| Weight                              | Approx. 8.68kg        | Terminal                             | FP-01/RT-05/RT-26/FO-21 |                          |  |

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### ■ CHARGE

| Using Mode  | Charging Voltage         | Temperature Compensation | Max Charging Current |
|-------------|--------------------------|--------------------------|----------------------|
| Standby Use | 2.275±0.025V/cell (25°C) | -3.3mV/°C/cell           | 7.5A                 |
| Cyclic Use  | 2.45±0.05V/cell (25°C)   | -5mV/°C/cell             |                      |

### ■ STORAGE

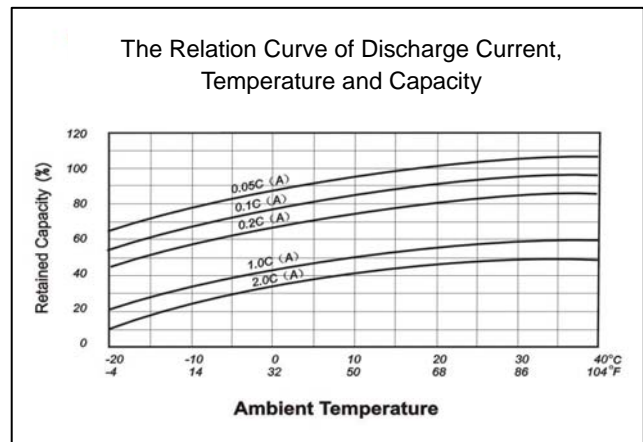
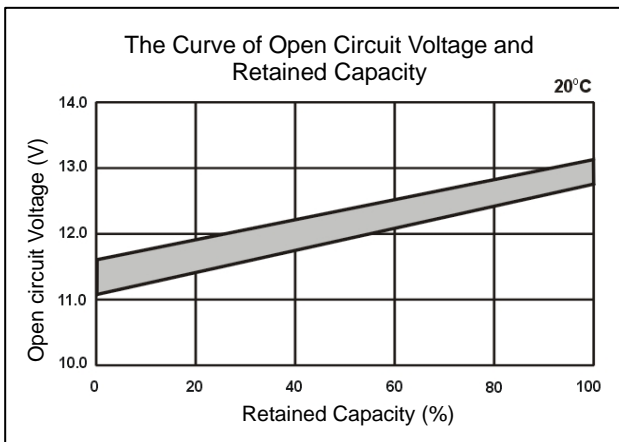
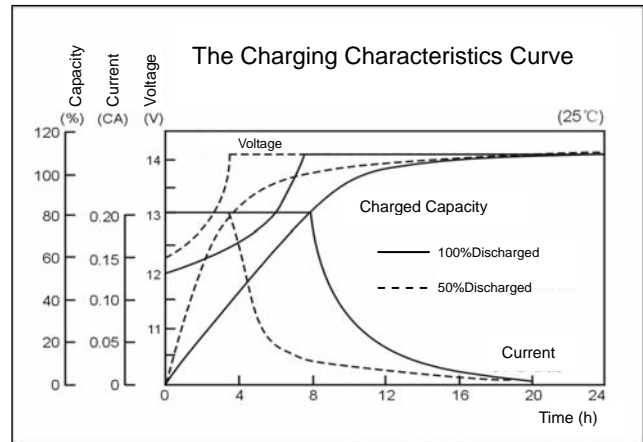
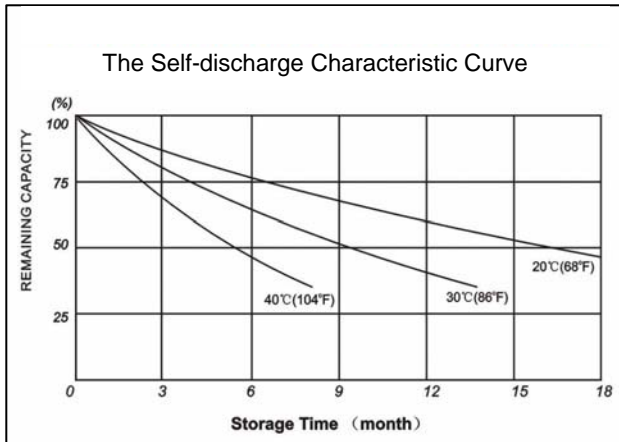
- Batteries should be stored in dry and clean warehouse which has good air exchange system. Batteries should avoid direct sunlight. Batteries should not be near to heat (such as radiator, the distance should more than 1m). Batteries should avoid any toxic gas and organic solvent.
- When the ambient temperature is less than 25°C, the longest storage life is 6 months. If ambient temperature is higher, the longest storage life varies as specified in below chart.

| Storage Temperature (°C) | ≤25 | 26~33 | 34~40 |
|--------------------------|-----|-------|-------|
| Storage Time (Month)     | 6   | 3     | 1     |

- Batteries should be recharged within the storage life or before using.

Charging methods: maximum charging current 7.5A, constant voltage 2.45±0.05V/cell (25°C);

Charging time: 15~20h; Temperature compensation coefficient: -5mV/°C/cell.



Issue: SC-GEL12250AG-001-CGB-201407. For the improvement of products and technology, and the appearance of the specifications are subject to change without prior notice. The company has the right of final interpretation.