

# FT12500

## NON-SPILLABLE RECHARGEABLE SEALED LEAD ACID BATTERY



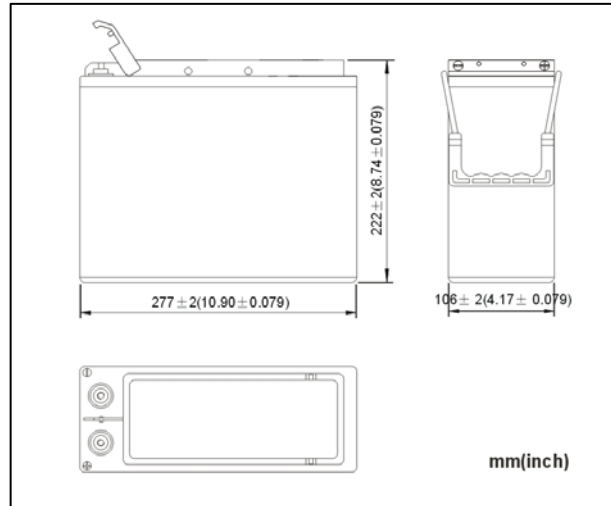
### FEATURES

- Special polybasic alloys material of grid, strong corrosion-resisting character, special formula of lead paste, advanced plate curing technology, long service life;
- AGM valve regulated sealing technology;
- High strength ABS material for container & lid;
- Wide temperature scope of application (-15~45°C);
- Best temperature of application (20±5°C);
- The shape is long and narrow, positive and negative terminals are at the same side, it is very convenient to install, monitor and maintain;
- Special protective cover for post, it is great to avoid short circuit between positive and negative terminals;
- Special sealing technology of post and superior sealing glue for post to make sure that there is no leaking on terminals;
- The acid filter and anti-explosion design can make sure the low remitting of acid mist, ensure the safe and reliable application.

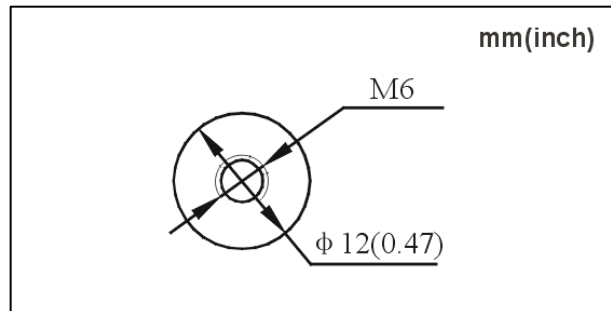
### SPECIFICATIONS

Nominal Voltage	12V	Capacity	C <sub>10</sub>	50Ah (10.5V, at 25°C)
Nominal Capacity (C <sub>10</sub> )	50Ah (10.5V, at 25°C)		C <sub>5</sub>	40Ah (10.5V, at 25°C)
Dimension	Length 277mm		C <sub>3</sub>	37.5Ah (10.5V, at 25°C)
	Width 106mm		C <sub>1</sub>	27.5Ah (10.2V, at 25°C)
	Height 222mm	Internal Resistance		Approx. 8 mΩ (25°C)
	Total Height 222mm	Max Short-duration Discharge Current		1000A(25°C)
Weight	Approx. 17.2kg	Terminal		RT-46

### DIMENSION



### TERMINAL



# FT12500

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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	12.5A
Cyclic Use	2.45±0.05V/cell (25°C)	-5mV/°C/cell	

### ■ STORAGE

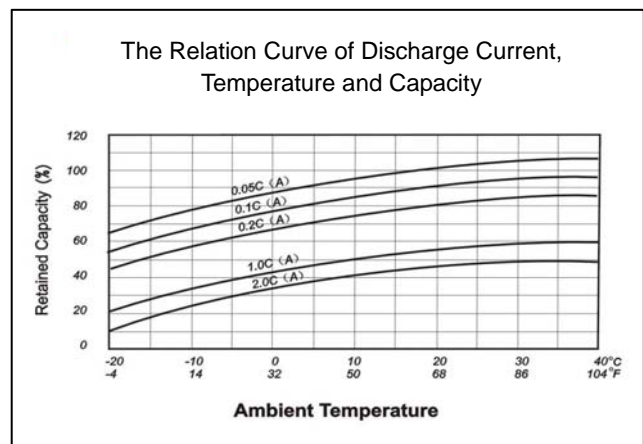
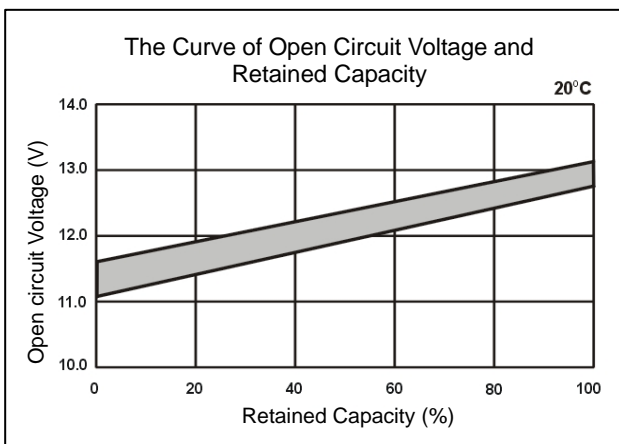
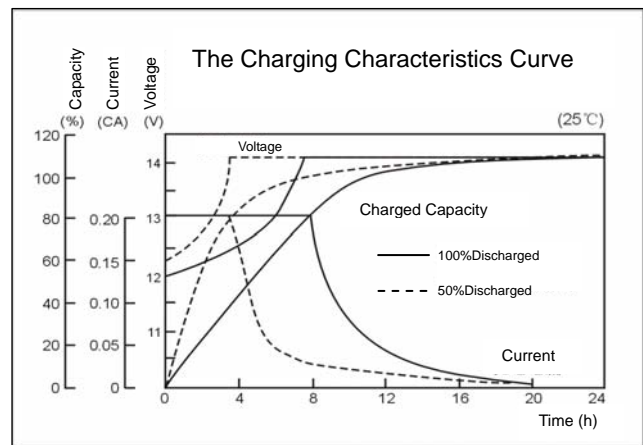
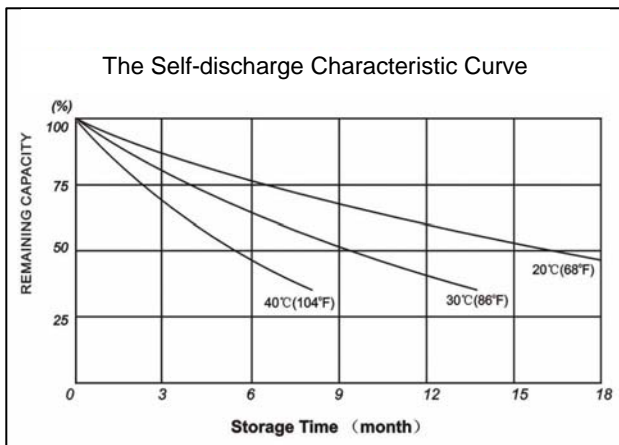
- Batteries should be stored in dry and clean warehouse which has good air exchange system. Batteries should avoid direct sunlight. Batteries should not be near to heat (such as radiator, the distance should more than 1m). Batteries should avoid any toxic gas and organic solvent.
- When the ambient temperature 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 12.5A, constant voltage 2.45±0.05V/cell (25°C);

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



Issue: SC-FT12500-001-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.