

# T-27MX 12V 105Ah

## Sealed Lead-Acid (SLA) Deep Cycle Battery



### Applications

- EV Golf Cart, Utility Vehicles or NEV
- Scissor Lifts, Aerial Work Platforms
- Floor Sweeper, Scrubbers or Floor Cleaning Machine
- Material Handling
- Renewable Energy

### General Features

- DOD 50% more than 1000 life cycles
- Long life and high stability under high temperature environment
- Design for usable at tropical countries
- Rechargeable and maintenance-free
- Gel VRLA (Valved Regulated Lead-Acid) battery

### Specifications

BCI Group Size	Model	Voltage	Cell	1 Capacity (Ah) @ 25°C						2 Minutes of Discharge			Internal Resistance	Dimensions (mm)				Weight (kg)
				1 hr rate	2 hr rate	5 hr rate	10 hr rate	20 hr rate	100 hr rate	@25A	@56A	@75A		L	W	H	TH	
31	T-27MX	12V	6	63	73	86	99	108	120	185	72	42	≤ 5.0mΩ	328	172	218	222	33.5

<sup>1</sup> The amount of amp-hours (Ah) a battery can deliver when discharged at a constant rate at 25°C and maintain a voltage above 1.75V/cell. Capacities are based on peak performance.

<sup>2</sup> The number of minutes a battery can deliver when discharged at a constant rate at 25°C and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.

### Charging Instructions

#### Recommended Charge Current

- With Temperature Compensation
- Without Temperature Compensation

Charge Voltage (12 Volts)

#### Bulk Charge

#### Absorption Charge

#### Float Charge

#### Temperature Compensate Factor

#### Cyclic Application

22.5 A Max.

8.0 - 22.5 A

14.4 - 14.9 V

14.7 V

14.7 V

13.8 V

- 4 mV/°C/Cell

### Operating Temperature

**Discharge:** -15°C~45°C

**Charge:** -15°C~45°C

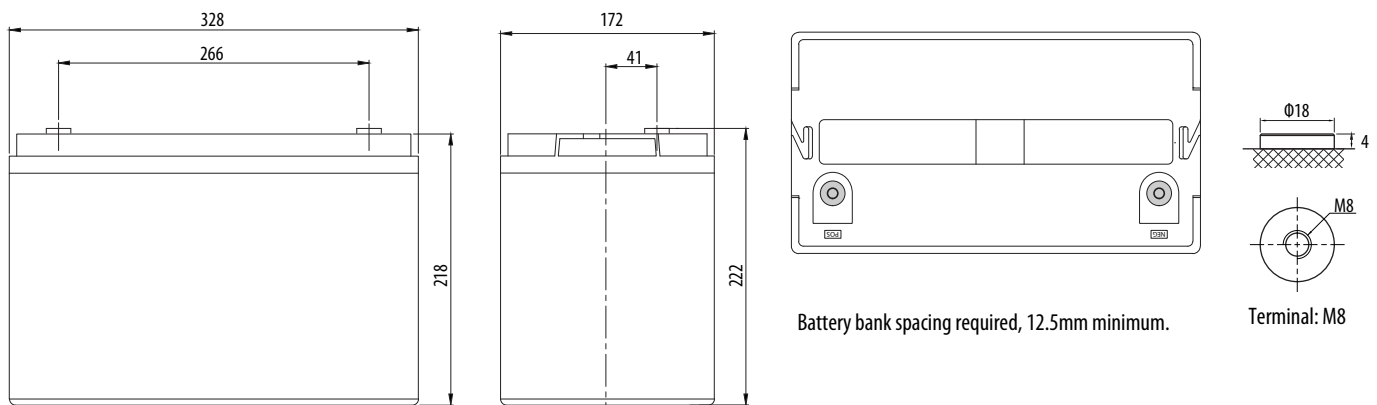
**Storage:** -15°C~45°C

DO NOT charge at temperature corrected voltages above 15 Volts (2.5 Volts/cell).

Use of voltage controlled charger is a requirement for warranty coverage.

For best cycle life, limit discharge to less than 50% of the battery's 20 hour capacity.

### Dimensions and Terminal



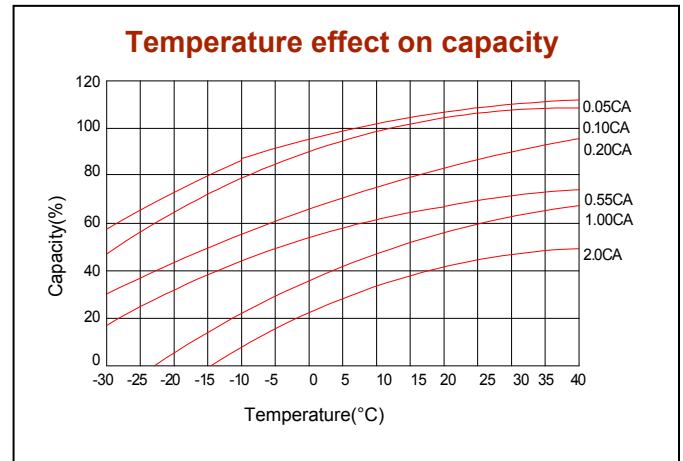
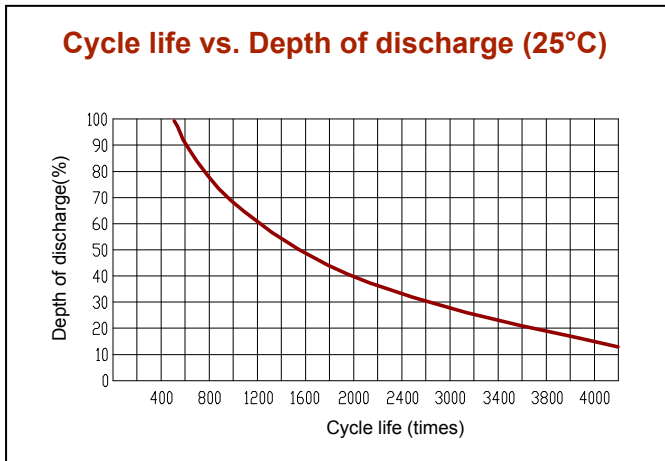
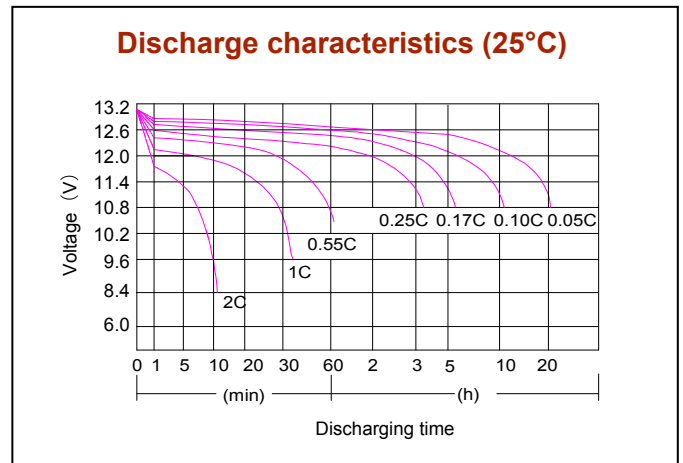
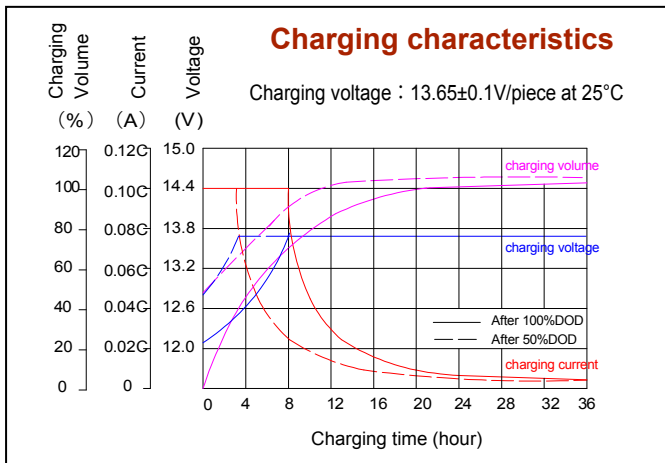
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### Battery Construction

Positive plate	Negative plate	Container&Cover	Safety valve	Terminal	Seperator	Electrolyte	Pillar seal
Thick high Sn, low Ca grid	Pb-Ca grid	ABS	Si-Rubber	Copper insert M8	PVC/AGM seperator for high pressure cell	Silicone Gel	Two layers epoxy resin seal



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