

6-CNJ-100 Gel Battery Specifications



Mutian's deep-cycle gel batteries are sealed, maintenance-free batteries that deliver superior power in demanding renewable energy applications. Engineered for rugged durability, outstanding performance and long battery life, Mutian's deep-cycle gel batteries feature a number of important design characteristics that provide significant advantages over competing gel products. The gelled electrolyte is a proprietary formulation that delivers consistent performance and dramatically extends the battery's cycle life. Lead alloy grids provide longer shelf life and superior corrosion resistance as well as deliver more concentrated energy to the terminals. Its premium grade separators allow maximum charge flow between the plates for optimum performance.

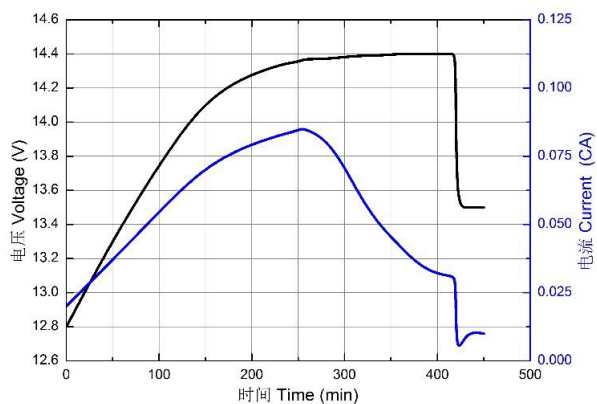
I Performance Specifications

Rated Voltage	12V	
Rated Capacity	100 Ah (10 hr, 1.80 V/cell, 25 °C)	
Internal Resistance	4.0 mΩ (No terminal)	
Terminal	Pb (M8)	
Ambient Temperature	-35~60 °C	
Dimension	Length (±2 mm)	331mm
	Width (±2 mm)	173mm
	Height (±2 mm)	217mm
	Total Height (±2 mm)	224mm
Weight	28 Kg	
Case	ABS	
Application	Solar (wind) house-use system, Off-Grid power station, Solar (wind) communicationbase station, Solar street light, Mobile energy storage system, Solar traffic light, Solarbuilding system, etc.	
Products Standard	GB/T 22473-2008 / IEC 61427-2005	

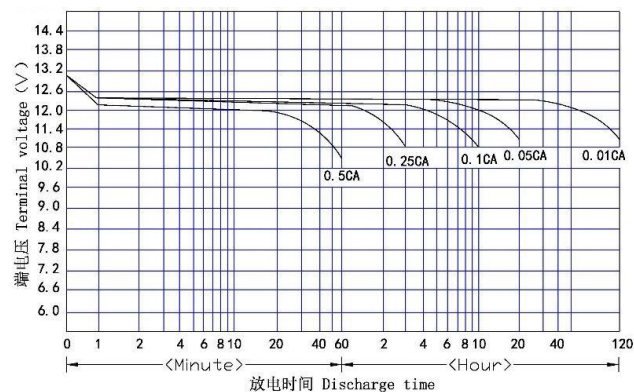
6-CNJ-100 Gel Battery Specifications For Energy Storage

II Battery Characteristics Graph

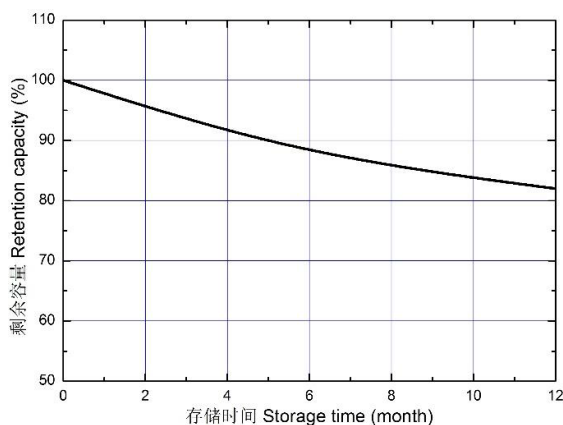
1. Charging Curve



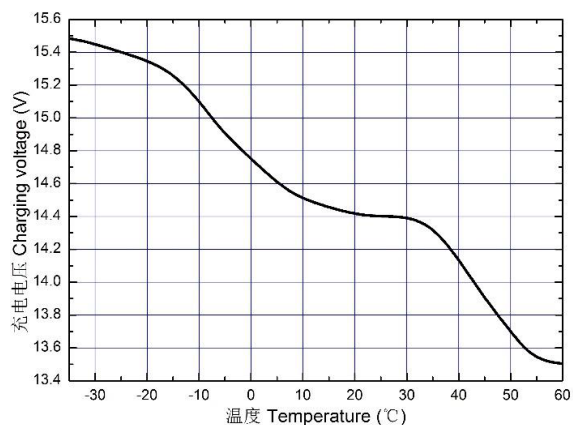
2. Discharging Curve



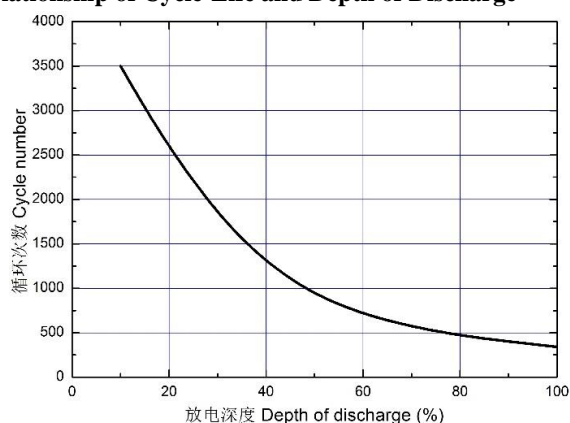
3. Self-discharge Characteristics(25°C)



4. Relationship of Charging Voltage and Temperature



5. Relationship of Cycle-Life and Depth of Discharge



6. Relationship of Capacity and Temperature

