

6 - CN Series

Gel Deep Cycle Battery

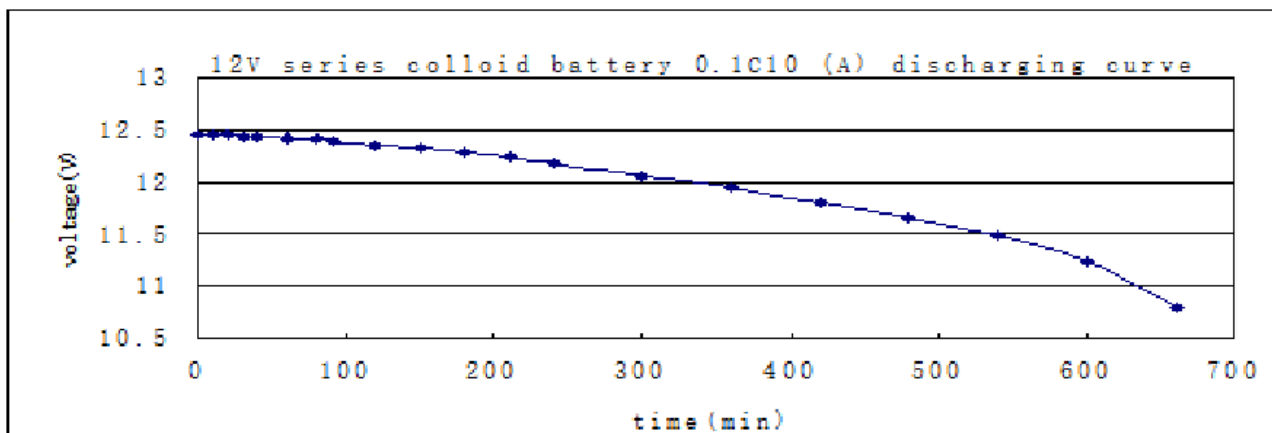
Specification type and Outside dimension

Type	Rated voltage (V)	rated capacity		Outside dimension (mm)				Weight (kg)
		C _{10 hr}	C _{20 hr}	L	W	H	Hmax	
6- CN -100	12	100	120	329	172	214	239	29.5
6- CN -150	12	150	170	483	170	240	240	42.0

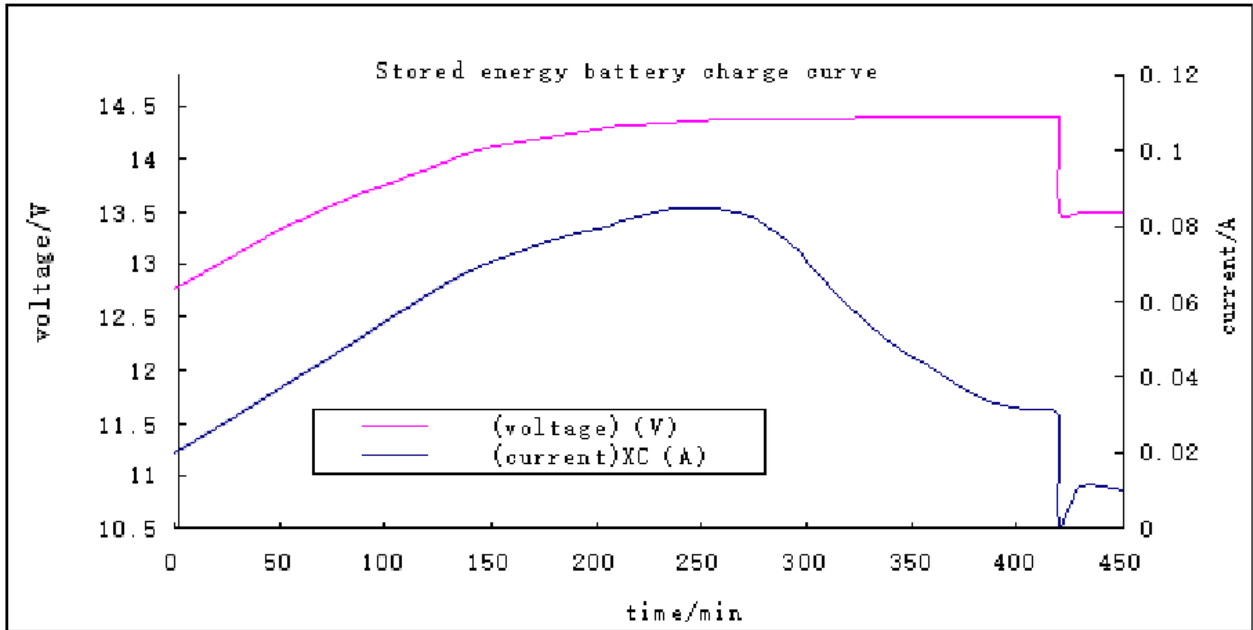
Each performance parameter

Battery interior resistance	completely charged (25°C)	≤10m Ω
Battery capacity at different temperature	40°C	105%
	25°C	100%
	0°C	85%
	-10°C	70%
Different hour rate capacity	10hr	100% C ₁₀
	30hr	110% C ₁₀
Battery capacity	1(months) (25°C)	95%
	3(months) (25°C)	90%
	6(months) (25°C)	88%
Maximum charging current	0.25C ₁₀ (A)	
Charge voltage limits	Average charging voltage	14.4V/12V-25mV/°C
	float charge voltage	13.5 V/12V-20mV/°C

Discharging curve



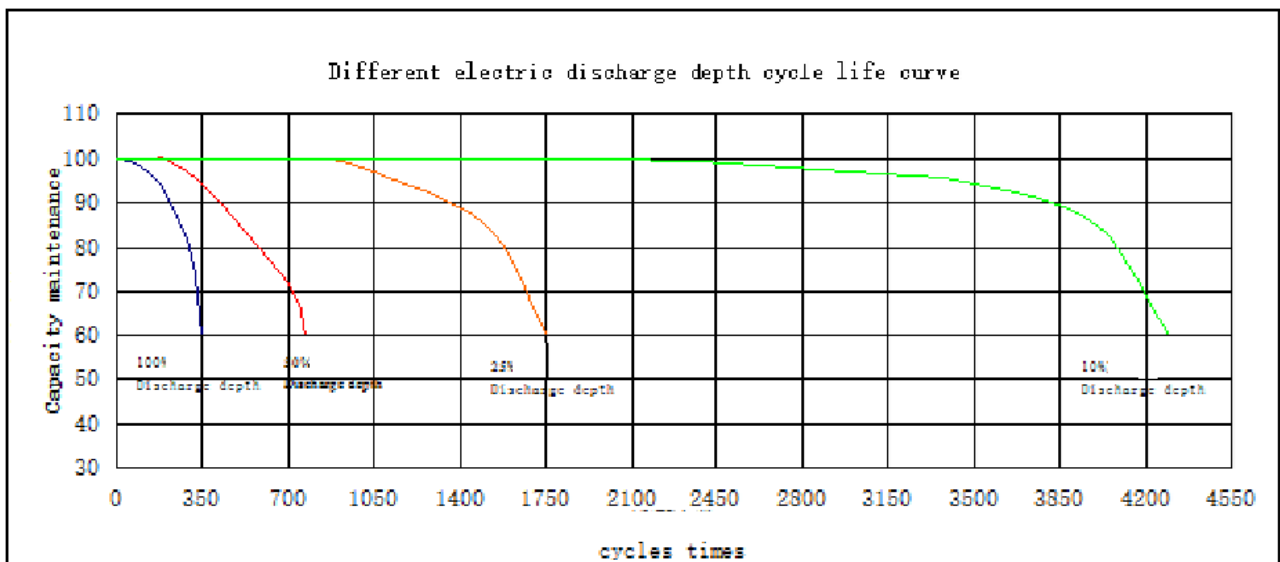
Charging curve



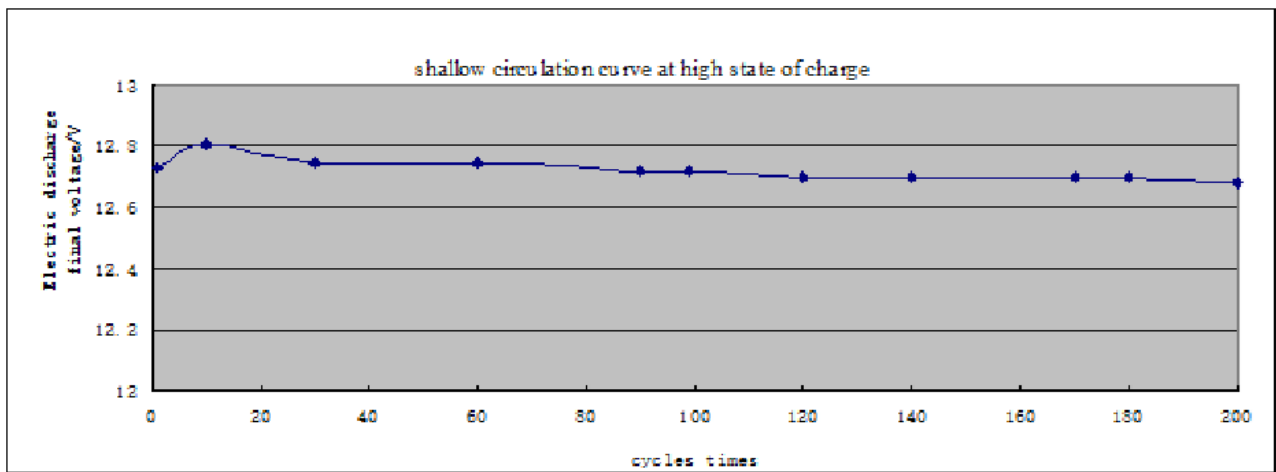
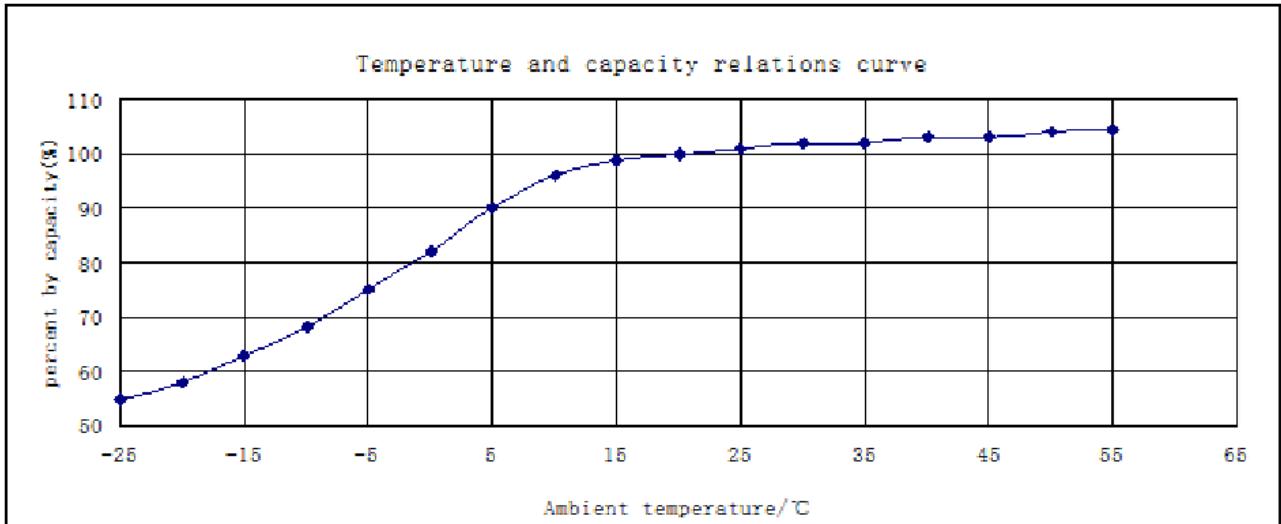
Charge pattern:

- 1、 Excessive charge protection voltage 14.4V/12V, restores charging voltage 13.5 V/12V
- 2、 Excessive discharge protection voltage 10.8V/12V, restores discharge voltage 12.3 V/12V
- 3、 Constant pressure 13.5V/12V floating charge (temperature compensation: -20mV/12V. °C)

discharge depth and cycle life relations



The available capacity and the temperature relations (accumulator cell in -30 °C ~55 °C scope can normal work.)



Under 40 °C environment, 20% electric discharge depth circulation ability