

I.Technique specs

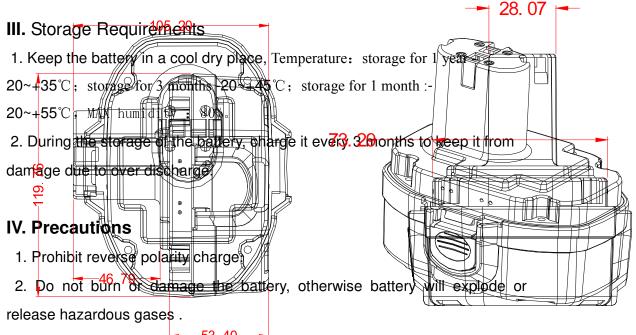
No.	Item	value	remark
1.	Cell type	Ni-MH SC	
2.	Norminal voltage	18V	
3.	Normimal capacity	3000mAh	
4.	Charging method	CC、 - V、Trickle Charge、time protection, temperature protection	
5.	Standard charging current	0.1C	16 hours to charge fu
6.	Normal charging current	0.2C	6.5 hours to charge fu
7.	Fast charging current	0.5C	2.3 hours to charge fu
8.	MAX Charging current	1C	1.2 hours to charge fu
9.	Trickle Charge	0.05C~0.1C	
10.	Resistance	≤185mΩ	Under condition 2 after fully charged, with 1kHz
11.	Normal discharge current	0.2C	
12.	High rate discharge	20A	Continuous discharge
13.	MAX DisCharge current	30A	Instantaneous discharge (3 second
14.	Discharge limited	15V	≤1C discharge

	voltage	12V	≥5Cdischarge
15.	Temperature test	NTC test cell temperature	
	method	The test sem temperature	
16.	Temperature		Thermal Protector
	protection	70 ℃	
17.	Working condition	charge: 0~40°C	
		discharge: -20~+50°C	
		MAX tenperature: 80%	

${\bf II.}\,{\bf Performance}$ test method and requirement

SN	Item	Test condition	requirement
1.	appearance	visually	Shell surface should smooth without scrate burrs and other mechadamage, there should be exposed oxidation on a parts, plastic shell can need deformed.
2.	Nominal capacity	Ambient temperature:20±5□ 1) Standard charging method: 0.1C charge 16 hours, Hold 15 minutes after charging. 2) Discharge With 0.2C constant current to 15V	Allow 3 recycles, Discharge capacity≥9 nominal capacity
3.	Fast discharge	After Standard charged, hold for 15 minutes, then 1C discharge till 15V	Allow 3 recycles Discharge time≥50mi
4.	High rate dischargedis charge	After Standard charged, hold for 15 minutes, then 1C discharge till 15V , then 20A discharge till 12V	Allow 3 recycles Discharge time ≥7mi
5.	Chargde retention	Charged the battery fully by standard charging method, hold for 28 days, then 0.2C	Discharge time≥ 150m

	Ability	discharge till 15V	
6.	Transportat	Before ship out, Use a voltmeter to test the voltage	≥20V
	ion voltage	across the positive and negative	≥20V
7.	Low	After standard charged, hold at $0\pm2^{\circ}$ for 24	
	temperatue	hours, then 0.2C discharge till 15V	Discharge time≥250m
	discharge		
8.	Anti-	Amplitude: 4mm (0.158 inch), Frequency:	Batteries should be
	vibration	1000 times/minutes, vibration test the	obvious damage, no leał
	performanc	battery by 30 minutes, the battery still	no smoke, no fire,
	е	in good condition	explosion.



- 3. Stop use when there is noise, heat or leakage.
- 4. Stop use when there is power shortage, to avoid damage to the battery due to over discharge.
- 5) Do not throw the battery into water.
- 6) Do not attempt to disassemble or press, hit the batteries, which may cause over heat or fire.
- 7) Keep it from kids.
- 8) Short circuit, over charge or improper charging method will bring damage to the battery.
- 9) Please use the original charger to charge the battery.