

# POWER-XTRA

Model : Power-Xtra 7.2V Ni-Mh 2/3A 1100 Mah Rechargeable Battery Pack

Ver:1.0

NO: 900.600.503.224

## Ni-MH Battery Spec

Model : : PX-H2-3A1100-7.2V-A

Customer P/N: 900.600.503.224

Nominal Voltage: 7.2V

Capacity: 1100mAh

Draft 起草	Checking 审核	Approved 批准	Customer Confirmation 客户确认
Peter	Chun Qi Zeng		

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## Revision History

Revision	Date	Editor	Contents
A0	2017-04-25	Peter	Draft

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## 1. Model

PX-H2-3A1100-7.2V-A

## 2. Appearance

There shall be no such defects as deformation, flaw, stain, discoloration or electrolyte leakage.

## 3. Nominal specification

Description		Specification	
Single cell (Units: mm)	Diameter (φ)	17.0 -0.7	
	Height (H)	28.5 -1.0	
Pack Dimensions (Units: mm)	Length (mm)	68.5±1.0	
	Width (mm)	17.0±0.5	
	Height (mm)	46.0±1.0	
	Cable	150±5mm #22AWG	
	Tin plating	2mm	
	Weight/ (g)	Approx. 114 g	
Nominal Voltage (V)		7.2V	
Nominal capacity (mAh)		1100mAh	
Internal Impedance (mΩ)		≤127 mΩ	
Discharge Cut-off Voltage (0.2C)		6.0V	
Ambient temperature	Charge	Standard	0°C to 40°C
		Fast	10°C to 40°C
	Discharge		-10°C to 50°C
	Storage	<1 year/	-10°C to 30°C
		<3 months/	-10°C to 40°C
		The relative humidity should keep with in 65±20%	

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## 4. Characteristics

Unless otherwise specified, test: should be done within one month of delivery under the following conditions:

Ambient temperature  $20\pm 5^{\circ}\text{C}$   
Relative humidity  $65\pm 20\%$   
Atmospheric pressure  $960\pm 100\text{mbar}$

Test item		Condition	Specification
1. Charge	Standard	Charge at 0.1C for 16 hours	$0^{\circ}\text{C}$ to $40^{\circ}\text{C}$
	Fast	Charge at 0.2C for 5.25 hours	$10^{\circ}\text{C}$ to $40^{\circ}\text{C}$
2. Discharge		At 0.2C to 1.0V	$\geq 100\%$
3. Capacity ( mAh )	Typical	Standard discharge	1100mAh
	Minimum	Standard discharge	1100mAh
4. Internal resistance		After fully charge, rest 1 hour, measured at 1000Hz	$\leq 127\text{m}\Omega$
5. Self-Discharge		The charged battery is stored for 28 days at $20^{\circ}\text{C}\pm 5^{\circ}\text{C}$ . And the discharge time is measured at standard discharge	$\geq 60\%$
6. Discharge	Standard charge 1hour rest Before Discharge by 0.2C to 1.0V		$\geq 300\text{minutes}$
	Standard charge 1hour rest Before Discharge by 1C to 1.0V		$\geq 56\text{minutes}$
7. Overcharge		0.1C charger 28 days,	No leakage
8. Charge Retention		Standard charge storage:12moths Standard Discharge	Capacity retention $\geq 60\%$ after 500cycle

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9. Leakage Test		Standard charge stand for 14days		No leakage
10. High temperature test		Store at 40°C、50°C、60°C for 2 hours then charge/discharge		No leakage
11. Low temperature test		Store at 0°C for 2 hours then charge/discharge		No leakage
12. Short circuit test		Short circuit after fully charge		No explode
13. Drop test		Free fall on the concrete from 1 meters after fully charged		No leakage No short-circuit
Cycle life	Charge	Rest	Discharge	Cycles 1 to 50 shall be repeated until the discharge duration on any 50thcycle becomes Less than 3h
1	0.1C for 16h	0	0.25C for 2h20min	
2-48	0.25C for 3h10min	0	0.25C for 2h20min	
49	0.25C for 3h10min	0	0.2C to 1.0V	
50	0.1C for 16h	1-4h	0.2C to 1.0V	

## 5. Drawing of Label

PVC , YY , MM , 1612 ( 2016 12 ):

<p>Ni-MH 2/3A1100mAh 7.2V</p> <p>YYMM Made in China</p>
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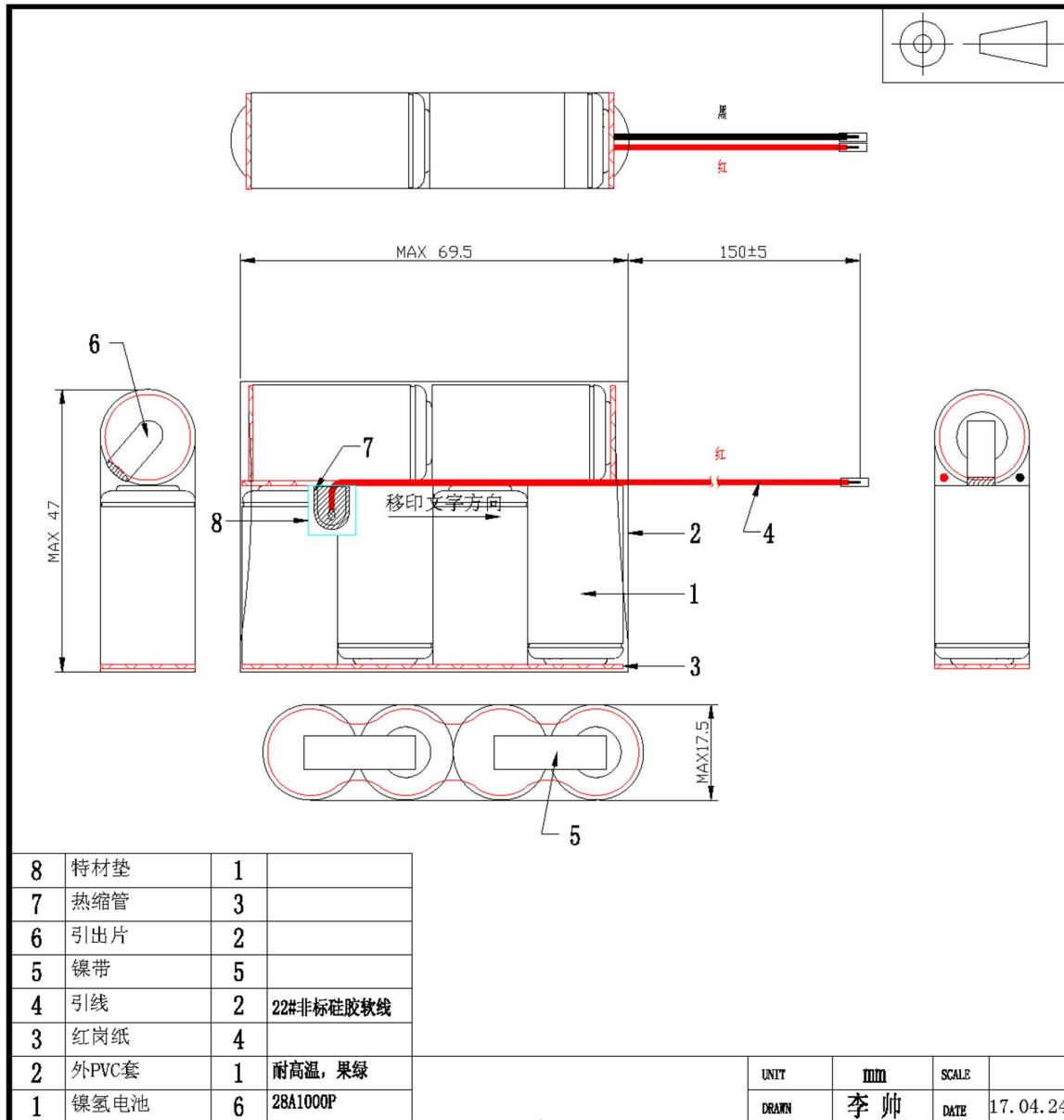
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## 6. Drawing of Outline 外框图



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## 7. Drawing Packing

PP 10KG;  
200\*70mm



130\*100mm:

标签尺寸10\*13CM (按情况而定) 每箱两面侧面都要贴

PO NO.	order 16-8	← 根据每次订单而更改
MODEL NO.	900.600.503.224	
QTY	500PCS	← 根据每箱数量而定
DATE	2016-07-20	← 根据出货日期而更改
Made in China		

## 8. Cautions in use

To ensure proper use of the battery please read the manual carefully before using it.

### Handling

Do not expose to, dispose of the battery in fire.。

Do not put the battery in a charger or equipment with wrong terminals connected.。

Avoid shorting the battery.。

Avoid excessive physical shock or vibration.。

Do not disassemble or deform the battery.。

Do not immerse in water.。

Do not use the battery mixed with other different make, type, or model batteries.

Keep out of the reach of children.。

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## 1. Storage

Cycle(charge and discharge)the battery every 6-9month to maintain cell/battery performance ,When being stored for an extended period of time.

Store the battery in a cool, dry and well-ventilated area.

## 2. Disposal

Regulations vary for different countries.

Dispose of in accordance with local regulations.

## 9. Note

Any other items which are not covered in this specification shall be agreed by both parties.