



Electric Bicycle Lithium-ion Battery & Charger

Instruction Manual

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For proper use, maintenance and storage of the battery, it is crucially important that you read and understand the instructions given by this manual.

## I **General use instructions and warnings**

### 1. **Battery**

- Never charge by discharge port nor discharge by charge port.
- Keep off battery from fire and excessive heat. Never put it into fire.
- Severe vibration、 impact or extrusion is forbidden.
- Protect discharge port and charge port from rain or waterlogging.
- Charge temperature range: 0~45℃.
- Discharge temperature range: -20~45℃.
- Working relative humidity: ≤80% RH.
- Keep battery away from children.
- Remove battery from the E-bike for long-term storage.

- Never disassemble battery without permission.
- If you have any question, please do not hesitate to contact our Customer Service Department.

If you failed to comply with the instructions and warnings described above, you would be responsible for the consequences arising.

## 2. **Charger**

- Never put anything on the charger.
- No fluid nor metal into charger.
- Never disassemble or refit charger.
- Never plug or unplug with wet hand.
- Never touch charger during thunder nor lightning.
- Charge with our special charger exclusively.
- Never twiddle charger nor battery during charge.

- Never charge in the environment of uneven surface, excessive cook smell /dust nor moisture.
- Never exposed to direct sunshine during charge.
- Keep good ventilation and heat dissipation during charge.
- Never connect with power supply when disconnect with battery.

## II **Packed items includes**

- Lithium-ion battery
- Charger
- Instruction manual

## III **Product characteristics**

### 1. Battery

Phylion lithium-ion battery features high energy density, long cycle life,

low self-discharge rate, no memory effect and no pollution.

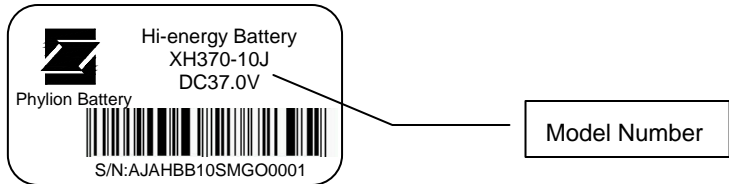
### 1) Product model

Model Number	General model for present market	Cell quantity	Nominal voltage(V)	Nominal capacity (Ah)
XH259-10J	24v	7	25.9	10
XH22-259-8J	24v	7	25.9	8
XH296-10J	/	8	29.6	10
XH370-10J	36v	10	37	10
XH22-370-8J	36v	10	37	8
XH480-10J	48v	13	48	10

Only for reference, Please refer to actual item.

## 2) Model encodement

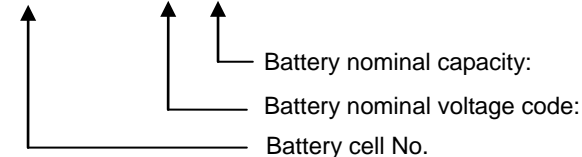
### (1) Model No. on battery



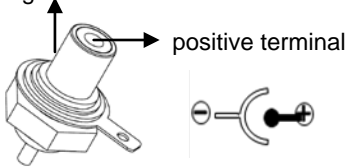
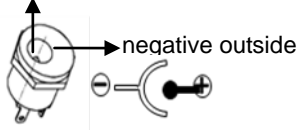
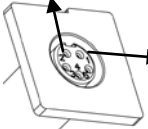
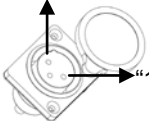
Only for reference, please refer to actual item.

### (2) Product model encodement

XH (\*\*-) \*\*\*- \* J




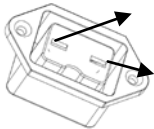
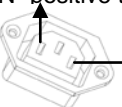
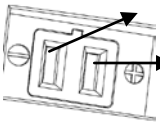
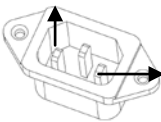

### 3) Identification for positive and negative terminal of charge port

Item	Picture	Item	Picture
1	<p>negative terminal</p>  <p>positive terminal</p>	3	<p>positive inside</p>  <p>negative outside</p>
2	<p>"1" positive terminal</p>  <p>"2" negative terminal</p>	4	<p>"2" negative terminal</p>  <p>"1" positive terminal</p>

The picture is for for reference only, please refer to actual item



#### 4) Identification for discharge output positive and negative port

Item	Picture	Item	Picture
1	<p>positive terminal</p>  <p>negative terminal</p>	4	 <p>positive terminal</p> <p>negative terminal</p>
2	<p>“N” positive terminal</p>  <p>“L” negative terminal</p>	5	 <p>negative terminal</p> <p>positive terminal</p>
3	<p>“L” negative termina</p>  <p>“N” positive terminal I</p>	6	 <p>Positive terminal</p> <p>Negative terminal</p>

The picture is for reference only, please refer to actual item.

## 2.Charger

- (1) Input voltage range: 100V~240V or 115V/230V
- (2) Parts of the charger



Phylion battery should be charged **ONLY** with Phylion's charger.  
The picture is for reference only, please refer to actual item.

#### IV **How to charge battery.**

- Connect charger output to battery, and then connect the charger input to power supply
- Indicator light goes red during charge while it goes green when the battery is fully charged
- For the first 3 times, please fully charge a new battery and then fully discharge, and then charge for 24 hours again.
- For good maintenance, timely charge after use and 24-hour charge after fully-discharge each month are needed.

## V **Storage, maintenance and transport**

- 2~3 hours charge after fully-charged for long-term storage in a dry and well-ventilated place, 2~3hours charge each other month.
- The battery and charger should be stored in clean, dry and well-ventilated circumstance, away from corrosive substance, fire and heat source.
- Storage conditions: temperature:  $-20\sim 35^{\circ}\text{C}$ , relative humidity:  $5\sim 65\% \text{RH}$
- Battery should be packed into carton for transportation, and keep it away from severe vibration, impact and extrusion, direct sunshine and waterlogging.  
The battery can be transported by sea, by air or by car.
- Charger should be disconnected with battery for storage.

## VI Troubleshooting

Problem	Possible Cause	Solution
No output voltage	Output line is disconnected with the battery	Correctly connect the output wire to the battery according to the manual
	Battery is out of electricity	Charge the battery
Power indicator off	Input plug of the charger disconnects with the outlet	Connect the input plug of the charger to the outlet according to the manual
The battery can not be charged	Output plug of the charger doesn't closely connect to the outlet.	Check the output plug of the charger whether it's firmly connected to the battery
	Battery is fully-charged	The battery runs good

If you have any other question, please do not hesitate to contact our Customer Service Department

## VII **Aftersales service**

The product has been strictly tested before delivery. Please don't disassemble or repair without our authorization. If you have any question, please do not hesitate to contact our Customer Service Department. Make sure remember to take with the guarantee sheet and invoice with you.

### **Aftersales Service:**

Telephone: +86-512-68094266

Fax: +86-512-68418341

Address (Suzhou,China): No.81, Xiangyang Road, New District, Suzhou

Postcode: 215011

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We make no commitment to update the contents given in these pages.

Phylion reserved the right of final explanation as to the specification or manual.