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## Portable Hoist



## User Manual

BEFORE using this product, read this manual carefully and save it for future reference.

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## **Introduction**

**Welcome to use our company's hoist. This manual contains important information about the safe use of hoists. Please read carefully before use and make sure you understand all instructions.**

### **Precautions:**

- **This product is mainly used for wheelchairs, scooters, and other goods. It is strictly prohibited to use it to load people.**
- **Weight Capacity  $\leq 50\text{KG}$ .**
- **The hoist must be placed on solid and flat ground to prevent it from tipping over during work.**
- **Distribute the weight as evenly as possible in the center of the countertop. Under special circumstances, eccentric load is allowed, and the longitudinal eccentric load shall not exceed 1/2 of the rated load. The lateral load shall not exceed 1/3 of the rated load.**
- **Prevent hands, feet and clothing from being squeezed when the hoist is working.**
- **Press the "Up" or "Down" button to raise or down the hoist. If the countertop does not move and there is abnormal sound, it should be stopped immediately for inspection.**
- **The loading goods can be removed only when the hoist stops moving.**
- **Please charge the hoist battery regularly. Pay attention to battery maintenance.**

## Structural Composition:

The portable hoist is made of mute casters, fixed brackets, cross brackets, hoisting brackets, bottom frame covers, side bags, remote control, safety belt, push rod motor, etc.

## RPL-001



- 1.Mute caster
- 2.Fixed brackets
- 3.Handrail cover
- 4.Cross bracket
- 5.side pocket
- 6.Safety belt
- 7.Chassis cover
- 8.Remote control
- 9.hoisting bracket
- 10.Lithium battery
- 11.Push rod motor
- 12.Casters

## Specification

Model	RPL-001
Size (L*W*H)	750*480*240~910 mm
Packing Size	490*250*760 mm
G.W	12Kg
Wheel(4pcs)	2 inch medical Mute Casters wheel
Side wheel (2pcs)	1.5 inch medical Mute Casters wheel
Max Load capacity	50 Kg
Motor power	4000N
Battery	24V 5.0Ah lithium
Charger	24V2A

## User Instructions

When operating the hoist, be sure to abide by the operating instructions and specifications in this manual to ensure the safety of this product. Special Note: When using this product to hoist the load, the power switch is on, and the remote control light is on.

### Operation Steps:

1. Depress the brakes of the casters around to the end so that the casters will not turn and rotate.



**Lock condition**



**Unlock condition**

2. Put the load on the hoisting platform, adjust the length of the safety belt and fasten it to ensure safety.



The length of the seat belt can be adjusted by adjusting the position of the buckle

3. Press the UP or DOWN button to raise and lower the elevator. Release the key to stop.

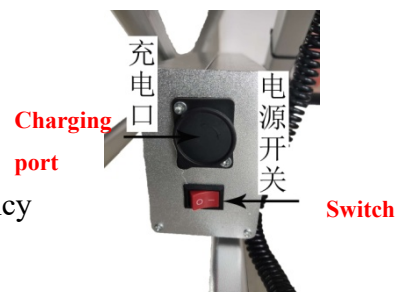


## Safety Precautions

1. Before use, please check whether all parts are complete and stable to ensure safety.
2. When hoisting heavy objects, please adjust the hoist to a suitable height before using it, and then put the heavy objects on the hoist to increase the lifespan of the hoist.
3. Before use, please ensure that the load is stable and the center of gravity is on the hoisting platform
4. Make sure the wheels are locked when the hoist is working.
5. Do not use hoists on sloped ground
6. Do not use hoists on uneven ground.

## Emergency stop switch

1. The factory is disconnected (Ⓞpress)
2. When using, you need to connect the power first (I press)
3. PressⓄif you need to disconnect the power in case of emergency



## Remove the battery

Unscrew the knob nut that holds the battery to remove the battery

## Battery Use

The portable hoist use 1 pcs 24V 5Ah battery. This is a maintenance-free sealed lithium battery. In special circumstance, the wheelchair battery can be temporarily replaced.

## Battery charge and Discharge

In order to maximize the battery performance of your hoist.

1. The battery should be fully charged at the initial use so that your battery can reach 90% effect.
2. Each time the battery is charged for 4-5 hours and then used again, the battery can use more than 90% of its potential.

3. After 4-5 cycles of charging and discharging, the effect of the battery can reach 100%, and it can last for a long time.
4. The single charging time cannot exceed 8 hours. If the charger has not been fully charged after charging for more than 8 hours, please contact the dealer for replacement.
5. Keeping the battery power in the middle range (about 50%, such as 30%-70%) for a long time will help prolong the battery life. Therefore:
  - a. After the battery is fully charged, please unplug it in time, as the battery is in a high power state for a long time, which will cause the battery to wear out faster.
  - b. It is recommended that you try to avoid waiting until the battery power is lower than 20% before charging the battery. The excessive discharge will cause the battery to wear out faster. It can be charged at any time to prolong the service life of the battery.
  - c. Please do not leave the battery idle for a long time, and fully charge the battery from time to time. If the battery is not used or charged for a long time, the battery power will be completely consumed, resulting in abnormal charging or failure to charge.
6. The battery temperature is too high or too low will affect the life, Therefore:
  - a. Please try to avoid placing the battery in an environment with low temperature, high temperature or large temperature difference.
  - b. It is recommended that you try to avoid using the battery while charging. Using while charging can easily lead to overheating of the battery, and long-term discharge at high temperature will aggravate battery loss.
  - c. It is recommended that you do not use the battery immediately after it is fully charged (the red light turns green). The temperature of the newly charged battery is high, which will increase the battery consumption.

## **Important Information About the Battery**

Frequently charged batteries provide reliable performance and long battery life. Whenever possible, keep your battery fully charged and discharge regularly. Infrequent charging or storage without a full charge may result in permanent battery damage, causing unreliable operation and shortening battery life.

If you do not use your electric hoist frequently, you must charge it once a week to keep the battery alive.

If you are shipping your electric hoist, you must contact the shipping company beforehand to make sure the hoist meets their special requirements for shipping.

Please follow the relevant national regulations for the disposal of the replaced used batteries.



## **Charger**

The charger is a very important part of your hoist, power your hoist with a safe, fast and easy charger.

The charger must meet the requirements of GB9706.1-2007.

### **Notes on using the charger:**

- a. The best ambient temperature for charging is 25°C. Most chargers are designed according to the ambient temperature of 25°C, so it is better to charge at 25°C.
- b. The charger will generate heat when charging, so when charging the charger, do not place the charger next to a fire source or heat-generating equipment, and do not place the charger on materials with thermal insulation effects (such as towels, sponges, etc.).
- c. To dissipate heat for the charger, the charger is not waterproof and moisture-proof, so you need to pay attention. Your electric hoist is designed to be maintenance-free, however, we recommend that you regularly check the following:
  1. Make sure that the charger is kept away from humid air. Moist air can easily damage the charger and cannot be guaranteed.
  2. Check the battery connection wires to make sure they are not corroded.

### **Warranty(one year)**

From the date of your purchase, our company provides repair and replacement to the original purchaser, by the local dealer or our company inspection finds any of the following damaged parts:

- Motor
- Controller and battery

### **Not covered by the one-year warranty:**

#### **Motor:**

Motor failure due to damage to electronic components caused by water ingress is not covered under warranty.

#### **Battery:**

Failure to follow the instructions for use can cause damage to the battery.

Unauthorized disassembly or modification of the battery does not void the warranty.

### **Production Date & Expiration Date**

See the nameplate of the hoist for the production date, and the period of use: 3 years.

## Maintenance

1. In order to protect the user from accidental injury, please check and maintain the machine frequently.
2. Regularly check for loose nuts, damaged or broken parts, and replace if necessary.
3. Please do not disassemble and assemble by yourself, so as not to cause unnecessary damage.

## Unpacking and Inspection

After opening the box, please check whether the following items are complete:

1. Portable hoist
2. charger
3. Lithium battery
4. Manual

## After-sales service

The product is guaranteed for one year from the date of purchase. During the warranty period, the company provides free maintenance or replacement for non-man-made damage.

The following situations are not covered by the warranty, and will invalidate all liability statements: failures caused by abnormal use or equipment that has not been disassembled, modified or repaired without authorization from our company.

<b>Warranty Card</b>			
<b>Name</b>		<b>Tel</b>	
<b>Address</b>			
<b>Model</b>		<b>Production No:</b>	
<b>Purchase Date</b>			

