

About Battery

Please prepare batteries and fully charge them before assembly of the robot.

You need two **14500 3.7V rechargeable lithium batteries** (3A continuous and 6.5A instantaneous current output capacity) and a charger for them.

Tested Batteries

The batteries below meet the requirements and have been tested.

IMR 14500 batteries

IMR 14500 batteries are suitable for high drain devices. Most of them don't integrate protective board inside and can output very large current.

Most of IMR 14500 batteries meet the requirements. We recommend these batteries with any brand including models we haven't tested. The following batteries have been tested and are recommended:

| Brand | Model | Picture |
|----------|-----------|--|
| NITECORE | NI14500A |  |
| EFEST | IMR 14500 |  |

14500 batteries

Most 14500 batteries are suitable for low drain devices. Parts of them integrate protective board inside and may can't output enough current.

Most of 14500 batteries without protective board meet the requirements. We recommend these batteries with any brand.

Only parts of 14500 batteries with protective board meet the requirements. We DO NOT recommend these batteries except for models we have tested:

| Brand | Model | Picture |
|----------|-------|--|
| NITECORE | NI147 |  |

Remove Protective Board

If you bought batteries with protective board and they can't make the robot work, you can remove the protective board by yourself.

Batteries can be charged and used properly after removal of the protective board. However, you may not get guaranteed and other after-sales services for the batteries anymore.

Please be careful when removing. Use plastic tools as far as possible to avoid short circuit. Your batteries may differ from those shown below.

Protective board on positive pole.

A battery with protective board on positive pole is shown below:

| Brand | Model | Picture |
|--------|------------|--|
| OLIGHT | ORB-145P07 |  |

Remove protective board as shown below:




After removing, please use tape to wrap the metal parts except the positive and negative pole, to avoid short circuit.



Protective board on negative pole.

A battery with protective board on negative pole is shown below:

| Brand | Model | Picture |
|----------|-------|--|
| NITECORE | NI147 |  |

(This model of battery has no need to remove protective board.
It is used to show the removal of protective board here).

Remove protective board as shown below:

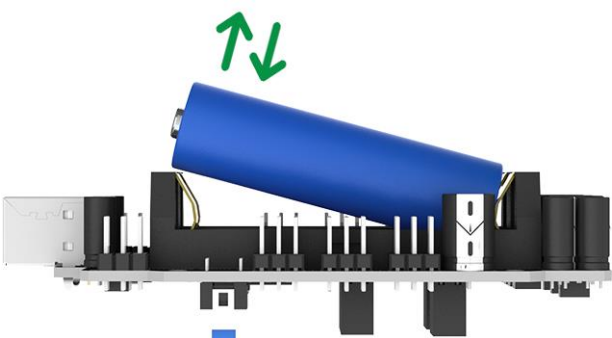
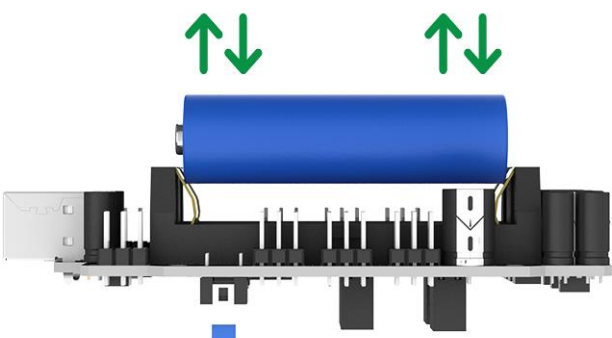


After removing, please use tape to wrap the metal parts except the positive and negative pole, to avoid short circuit.



Install and Remove

The batteries with protection board is a little long, so it is not very easy to install them to the control board. Please refer to the following figure to install or remove them.

| Protection board | How to install and remove |
|------------------|---|
| No |  |
| Yes/No |  |