

We have two lithium-ion 14.8V batteries. The H6 Pro battery charger from blue Robotics can be used to charge them.

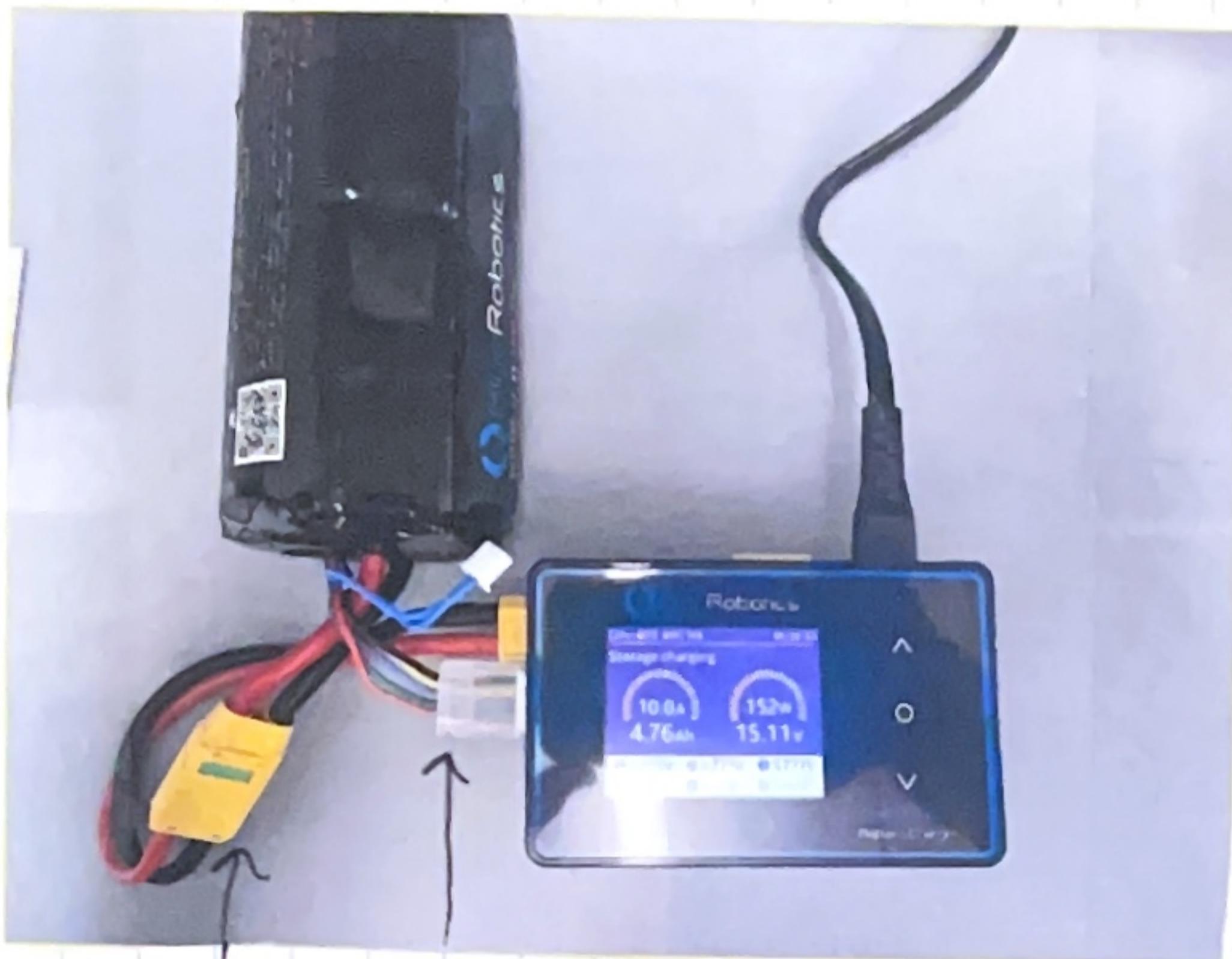


Figure 1

The lithium battery plugged into the charger.

XT90 to XT60 adapter for charging.

Cell balancer cable.

To charge, set the charger to the charging mode.
To store, set the charger to the store mode.

IMMEDIATELY AFTER USE, ~~DO NOT~~ CHARGE WITH STORAGE MODE.

If the voltage drops below 3.0V on any cell, that cell will die.

Typical ~~Maximum~~ Voltage: 14.8V (3.7V per cell)

Maximum Voltage: 16.8V (4.2V per cell)

Minimum Voltage: 12.0V (3.0V per cell)

Make sure the voltage per cell NEVER drops below 3.0V per cell.



H6 PRO

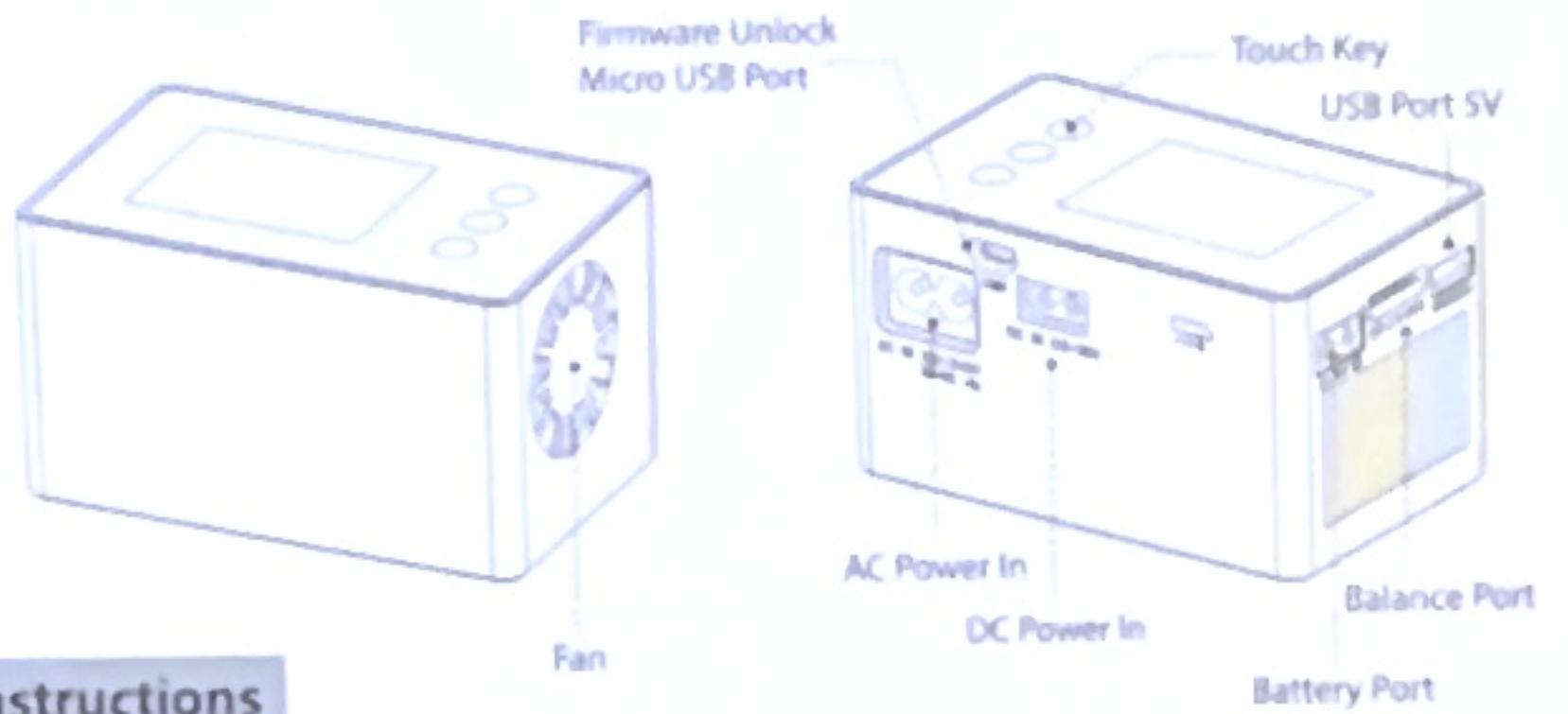
BATTERY-CHARGER-H6PRO-R1

In its default configuration, this charger is intended for use ONLY with Blue Robotics Lithium-ion and Lithium-polymer 4S (14.8V) and 6S (22.2V) batteries, or similar 4S, 6S Lipo/Lilon batteries with a capacity of AT LEAST 10Ah.

NOTE: To unlock full capability including adjustable current, chemistry, voltage, and auxiliary functions, please go to bluerobotics.com/learn/h6pro/

Default Specifications

| | | | |
|-----------------|--|-----------------------|-----------------------------------|
| Input Voltage | AC 100–240V / DC 6.5–30V | Charge Current | 10A |
| Charge Power | DC 700W @ input voltage>24V | Balance Current | 2000mA |
| | AC 200W | Discharge Current | 0.1~2A |
| Discharge Power | Internal Discharge: 30W (Balance port 10W) | USB Output | 5V / 2.1A |
| Battery Type | LiPo / Lilon · 4S, 6S | Storage Temperature | -20–60°C |
| Net Weight | 410g | Operating Temperature | 0–40°C |
| Dimensions | 108mmx67mmx60mm | Screen Size | 2.4" IPS 320x240 260000 colors |



Instructions

1. Connect AC or DC power and wait for bootup to complete.
2. Connect the main battery and balance cables to the charger.
3. Press the select key (circle) and select task "Charge" or "Storage" and cell count "4S (16.8V)" or "6S (22.2V)" with arrow touch keys.
"Charge" will fully charge the battery to 4.20 volts per cell (4S 16.8V or 6S 25.2V total) for immediate use.
"Storage" will charge or discharge the battery to 3.80V per cell (4S 15.2V or 6S 22.8V total), ideal for storage and transport.
4. Storage charging the battery is strongly recommended at any time the will be stored and not used for more than a day (Lithium ion) or several hours (Lithium-polymer). This will ensure the longest possible battery cycle life.
5. Select "Start Task" and wait for the task to complete.
6. Charger will automatically stop and beep upon task completion.



NEVER USE CHARGER UNSUPERVISED!

- Batteries pose a SEVERE risk of fire if not properly handled.
- Read entire operation manual before using charger.
- This unit may emit heat during use.
- Only operate this device in a cool ventilated area away from flammable objects.
- Failure to observe safety procedures may cause damages to property or injury.