

TECHNICAL BULLETIN 08

DATE: 28 August 2023

PRODUCTS:

- H6 PRO Lithium Battery Charger (BR-100377)

SUBJECT: Fire risk with **incorrect** operation of H6 PRO Lithium Battery Charger

SUMMARY: We have learned of a potentially hazardous situation that is created when a lithium battery is **incorrectly** connected to the H6 PRO Lithium Battery Charger:

- Connecting a battery to the **DC IN** port while the charger is also connected to AC power via the **AC IN** port will charge the battery without starting a charge cycle.
- The battery will continue to charge unregulated until it is overcharged. Overcharging a lithium battery poses a risk of fire, property damage, and injury.

IDENTIFICATION: Fire risk is only present when a battery is connected to the **DC IN** port while the charger is connected to AC power, as shown below.



Figure 1. Location of **DC IN** and **AC IN** ports



Figure 2. Incorrect battery connection. The battery is connected to the DC IN port. This will lead to fire hazard.

Correct Battery Connection: To properly charge the battery, the battery cable should be connected to the **OUT** port shown below.



Figure 3. Location of **OUT** port.

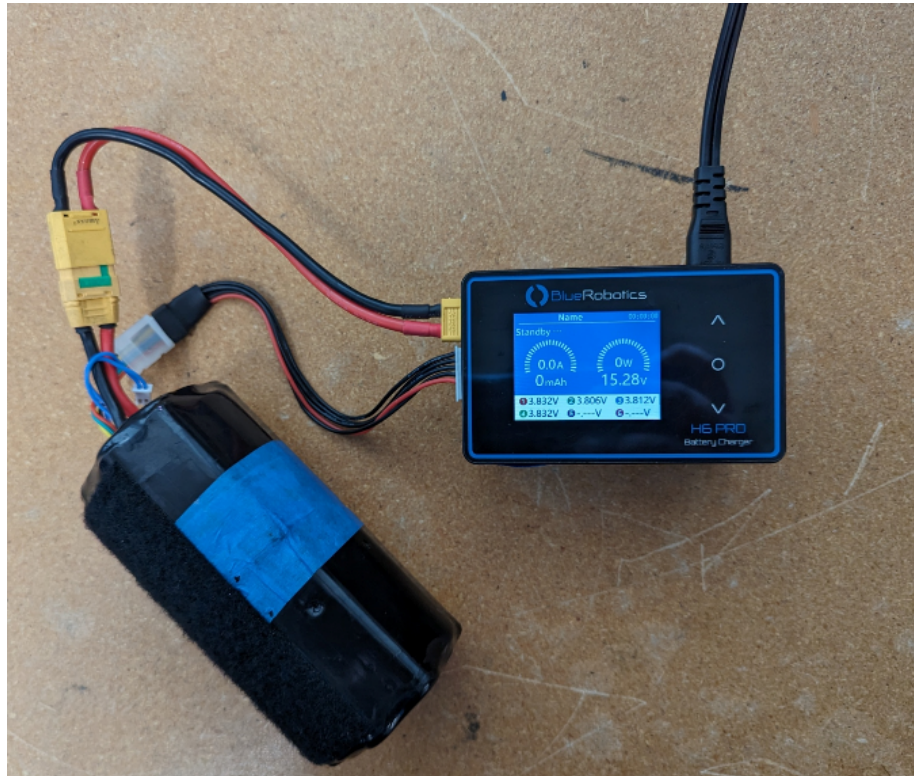


Figure 4. Correct battery connection.

CUSTOMER ACTION: Carefully review and understand this information as well as the [H6 Pro charging instructions](#) to prevent incorrect operation of the charger. This information should also be shared with any person that will operate the charger.

We also recommend covering the **DC IN port** with tape as a precaution to prevent other users from connecting a battery incorrectly.

The H6 Pro charger is safe to use when operated correctly and no further action is necessary.

BLUE ROBOTICS ACTION: We are taking steps to prevent incorrect operation of the charger including adding a warning label to the **DC IN port** and improving the charger usage instructions.

Please do not hesitate to contact us at support@bluerobotics.com if you have any questions.