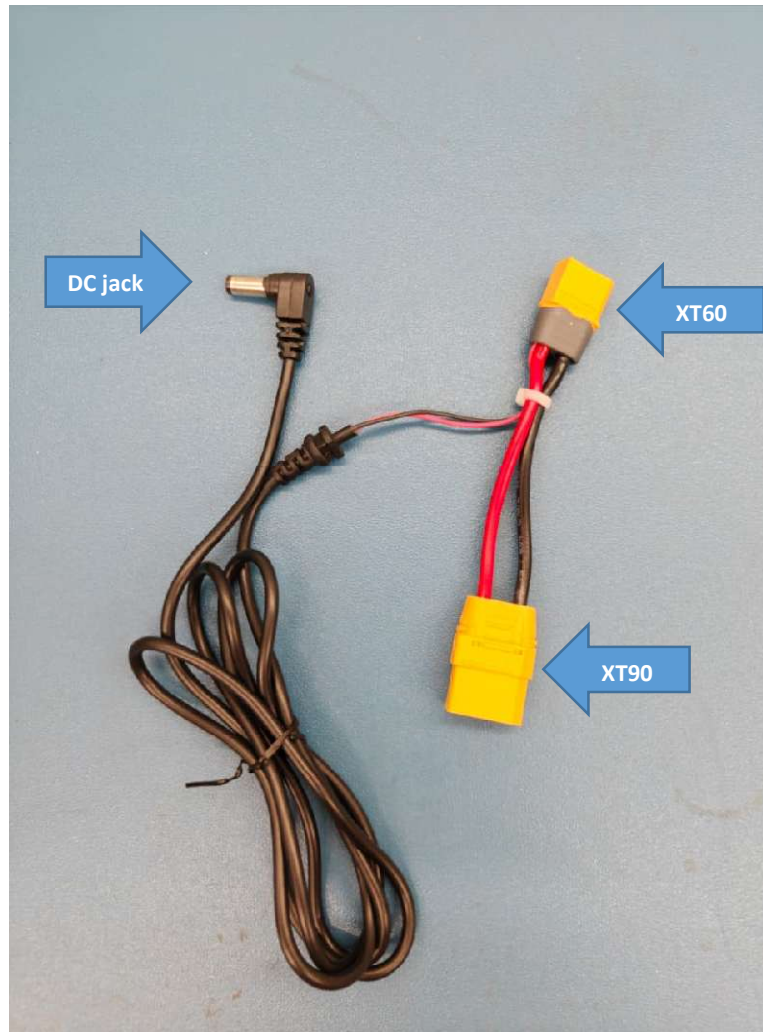




Connect the **Hokuyo (UST-10LX)** LiDAR power cable here

To power up the **PDU board**, plug the male jack connector cable in here and connect it to the **battery**

Need a DC jack male to DC jack male connector cable to to supply power to **Jetson Board**.



You need to make a **Y-connector cable** like the one shown in the picture.

The Y-cable consists of:

- **5.5 × 2.5 mm DC right-angle power plug** cable (to power the PDU)
- **XT90 female connector** (to connect to the VESC)
- **XT60 (male) connector** (to connect to the battery)

Please use the **matching opposite connector** for your battery, depending on the connector type your battery currently has.

The connections should be made as follows:

1. Connect the **5.5 × 2.5 mm DC right-angle plug** cable to the **PDU power input** on the left side, as shown in the picture. These powers up the PDU.
2. Connect the **XT90 female connector** to the **VESC**.
3. Connect your **battery** to the remaining battery connector on the Y-cable, using the **matching opposite connector** for your battery.

This setup allows both the **PDU** and the **VESC** to be powered from a **single battery's**