



FOLLOW

Safety Landing Battery Test [Sentry]

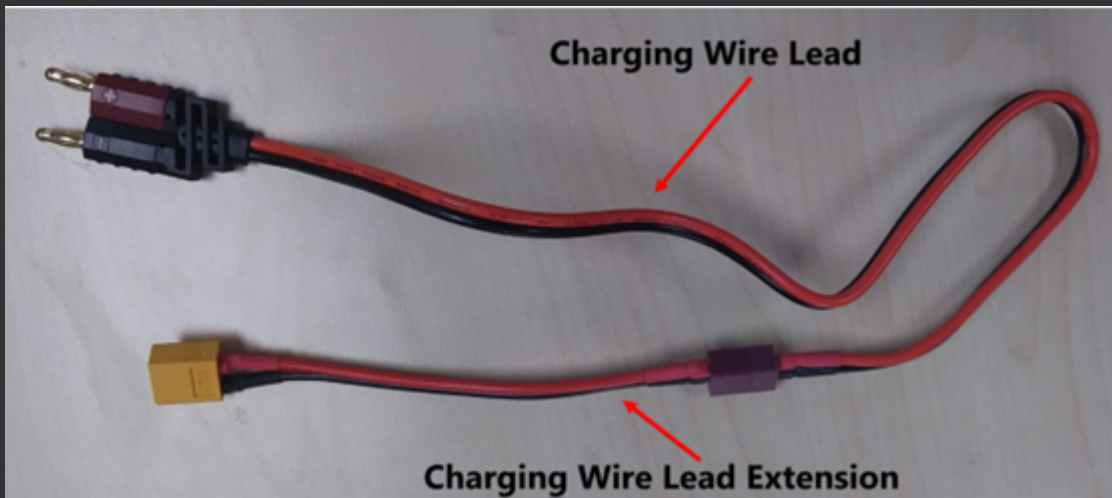


Chris Robbins

February 03, 2023 20:44

The following guide is on how to perform a test on the Safety Landing Batteries to ensure they meet specifications for safe flying. Ideally, this test would be performed before each flight but recommended is at least once a month.

1. Connect the Charging Wire Lead Extension to the Charging Wire Lead.

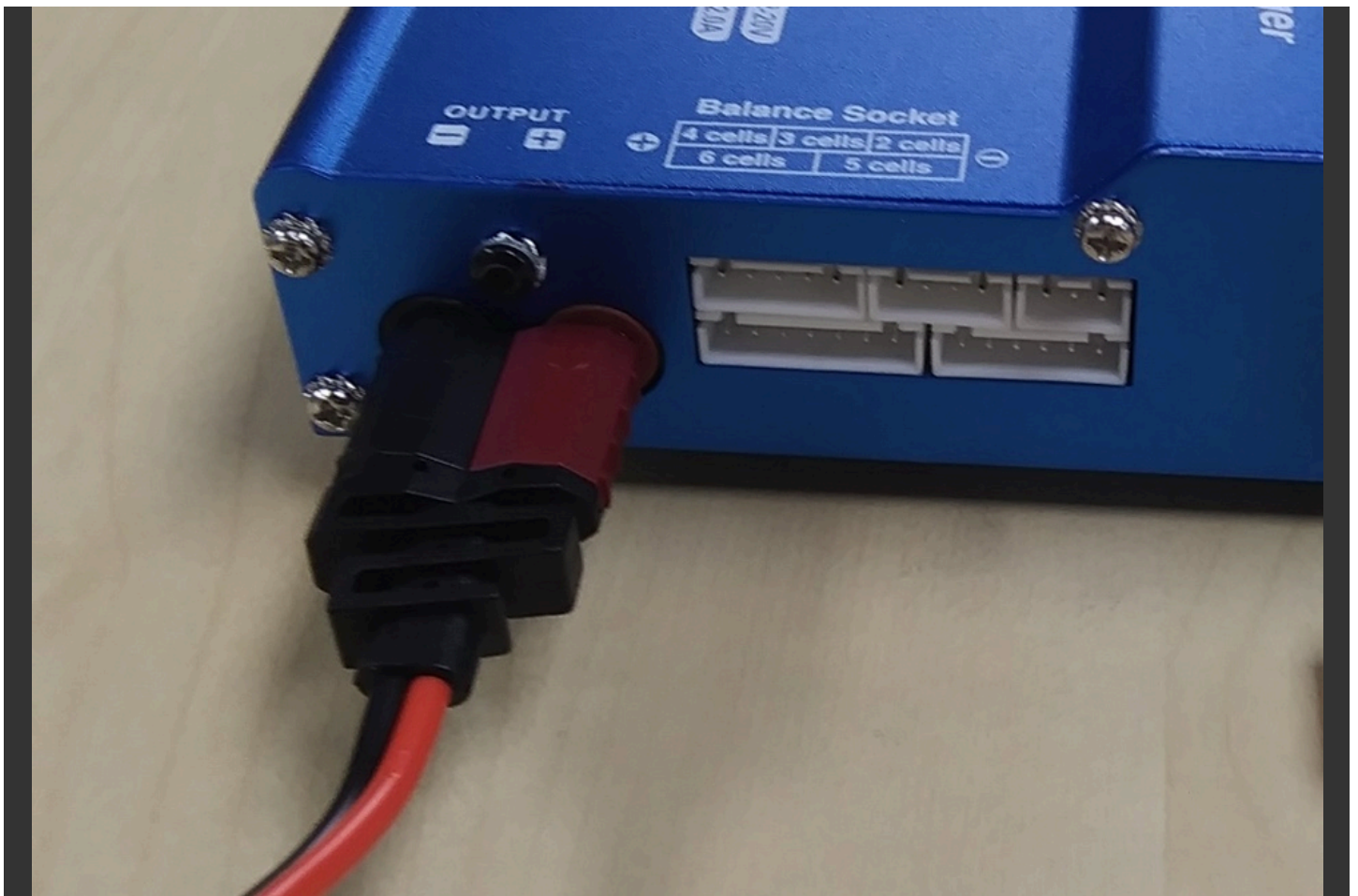


2. Connect the other end of the Charging Wire Lead Extension to a LiPo SLB.

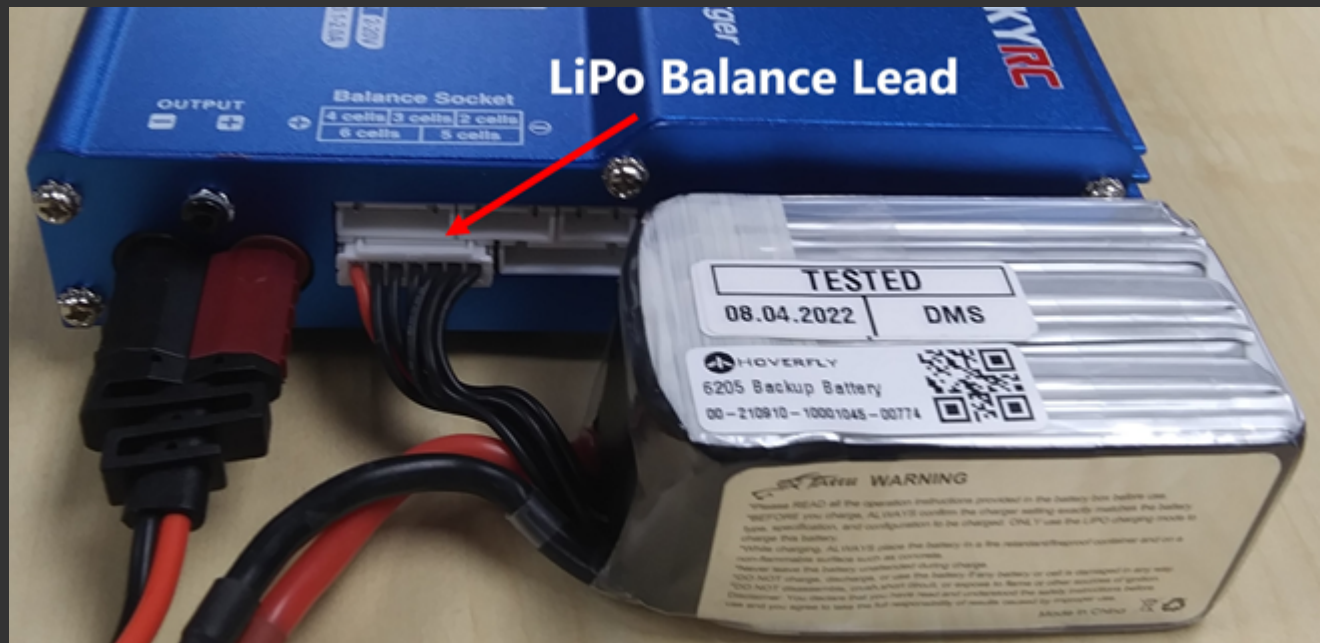


3. Connect the other end of the Charging Wire Lead to the SKYRC charger/disch...

Support



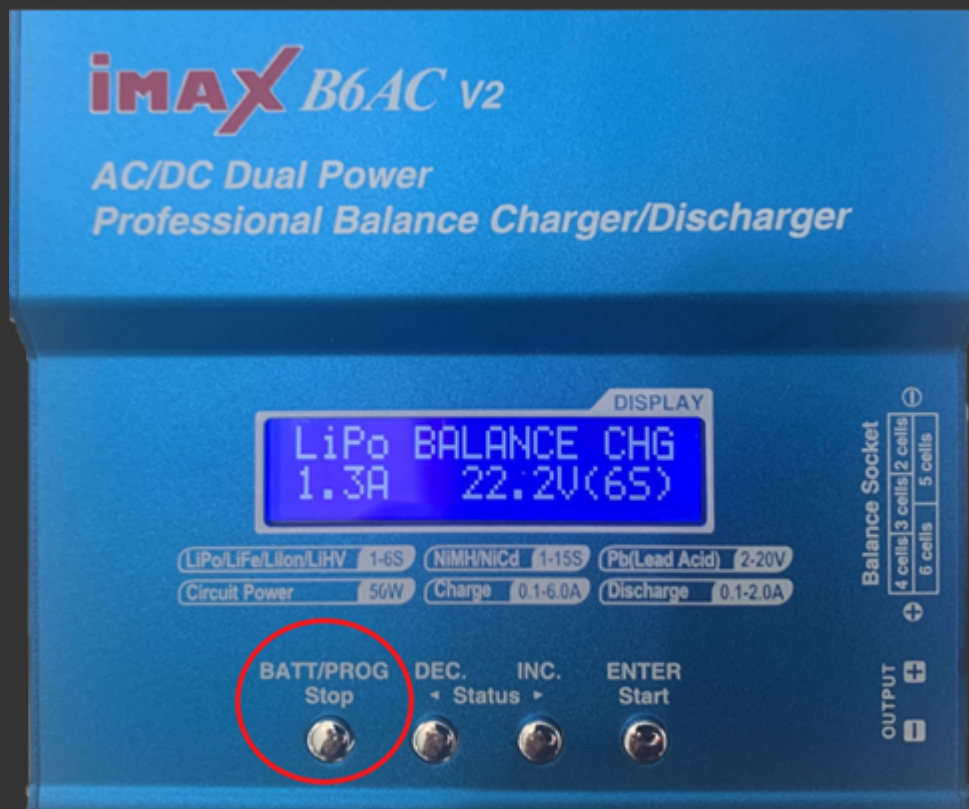
4. Connect the LiPo Balance Lead to the SKYRC charger/discharger.



5. Connect the AC power cable to an outlet and then to the SKYRC charger/discharger.



6. The SKYRC charger/discharger will power on and the message LiPo BALANCE CHG will appear on the display screen.



7. The BATT/PROGRAM screen with sub-menu will display. Press the DEC/Status button until the BATT RESISTANCE sub-menu appears.

SKYRC

imax B6AC v2

AC/DC Dual Power

Professional Balance Charger/Discharger

DISPLAY

BATT/PROGRAM
BATT RESISTANCE

LiPo/LiFe/LiIon/LiHV 1-6S NiMH/NiCd 1-15S Pb(Lead Acid) 2-20V
Circuit Power 50W Charge 0.1-6.0A Discharge 0.1-2.0A

Balance Socket
4 cells 3 cells 2 cells
6 cells 5 cells
OUTPUT

BATT/PROG Stop DEC. Status INC. ENTER Start



8. Press the ENTER/Start button. The mΩ reading for each battery cell is displayed.

IMAX B6AC v2

AC/DC Dual Power

Professional Balance Charger/Discharger



9. Verify the internal resistance of each cell.

PASS CRITERIA:

- All battery cells read at or below 10mΩ.
- Add all readings together and ensure the sum does not exceed 59mΩ.

Warning: If the battery fails the test, it is considered non-flight worthy and could pose a safety risk to the craft and nearby personnel if a battery landing was to occur.

If the battery fails the test, please give the battery to whoever is responsible for battery recycling in your company.

10. Once you have tested the battery, press the BATT/PROG Stop key and then use the DEC or INC keys until you get to LiPo BALANCE CHG before turning off the charger.

Was this article helpful?



0 out of 0 found this helpful