



# Battery mod 3dr solo

How much battery does a 3DR solo have?

The 5200-mAh battery of 3DR Solo offers up to about 20 minutes of flight time on a single charge. With a wonderful maximum payload capacity of about 0.4 kg., and a transmission range of up to 805 meters, the 3DR Solo is a fantastic scouting tool too. Here's how the 3DR Solo drone performs when it comes to its different features:

How to get telemetry from 3DR solo?

3DR Solo uses smart BMS in each Solo battery which will give battery telemetry to Solo and ground station. There are different ways to get this information. a) Don't have telemetry: Solder the battery connectors directly to the Solo board. You need then to use a LiPo alarm and/or timer. It works but it is not what we want.

Can I use a 4S LiPo battery with a solo?

If you own some old Solo batteries keep them for the electronics. I have made several testing procedure to assure that the mod would function well, and test was successful. With this mod to the Solo battery you will have the opportunity to use any 4S lipo battery with your Solo.

What is the difference between a solo battery and a LiIon battery?

The Solo BMS with your battery is recognized as a normal Solo battery. However in the case of LiIon batteries, they have lower voltage level and can be discharged to a lower voltage (2.5V vs. 3V LiPo per cell). Thus Solo with LiIon battery will trigger RTL and low battery alarm too early.

Is the battery pack enough power for a drone?

And thus you would have other problems than the battery. This battery pack has a constant discharge of 45A, aka 650w. In hover the drone consumes only 230w. I think the battery pack has enough power because in slow to medium flight the drone uses even less power than in hover.

How many Watts Does a drone battery consume?

And if the drone would require 120A in flight it would definitely burn the motors! And thus you would have other problems than the battery. This battery pack has a constant discharge of 45A, aka 650w. In hover the drone consumes only 230w.



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