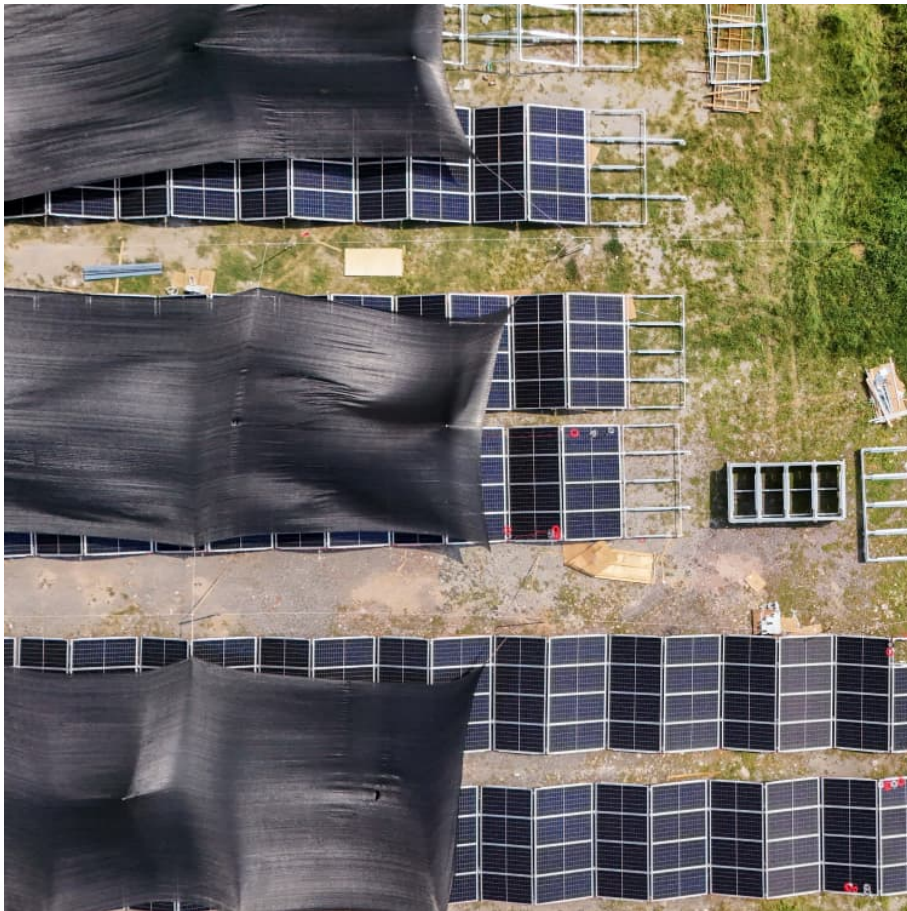


# 3dr solo battery modification





## Overview

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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.

How much does a 3DR solo cost?

Flight Simulator App - Before going out and flying the 3DR Solo, the included simulator app allows you to practice your flight skills realistically, so you don't wind up crashing the drone. Considering the 3DR Solo costs about \$1,000, it's not exactly cheap to replace.

How do I recalibrate the Solo Smart Battery?

To recalibrate the Solo Smart Battery, follow these steps: Gently discharge the battery pack until it cuts off for the first time, which is around 12V. Allow the pack to relax for at least 5 hours. The pack's voltage will climb above 12V during this process.

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

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



Lilon 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.



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### **BMSOne V3 PnP**

Only use 4S or 5S on a Solo. For Solo it can be used to plug a common off the shelf 4S or 5S battery (XT-60) into a 3DR Solo and have battery telemetry as the Solo normally would.

### **Solo battery, what is inside?**

Anyone know of a Battery checker for a 3DR SOLO batter? with out a blance charger i do not know how to hook up the 3DR Battery to see if all cells are functioning. ...



### **3DR Solo with Lilon 9000mAh battery , up to 30min flight time**

I would like to share my experience with building a custom Lilon battery for 3DR Solo and have correct battery % display on the App and Artoo controller. My goal was to build ...

### [3DR Solo extended Battery Housing by Idakin0001](#)

This is an extended battery housing for the 3D Solo drone for folks that want to just replace the dead cells with a modified Gens Ace Tattu



5200mAh 14.8v battery.



[Battery ? Mission Planner? Follow me downgrade](#)  
:L

I am wondering if you can charge the \$150 battery with your own charger? And can you replace the 4S battery yourself or is it impossible to get apart thus you have to buy the 3DR battery? ...

### [Connecting Raspberry Pi 3 to Pixhawk via USB](#)

Hi folks, I am trying to connect a Raspberry Pi 3 to the Pixhawk module in a 3DR Solo drone for the purpose of implementing an autonomous school robotics project. The ...



### **3dr Solo Battery Mod**

For semi DIY, send in your old Solo battery (or remove the BMS and send it) and we will extract the BMS and install the BMS into an optional enclosure with all soldered on standard ...



### [Battery Charger Interface , 3DR Solo Development ...](#)

This topic specifies the charging interface to the Solo battery (this is needed if you want to build chargers, charging pads, etc). See the Battery Bay page for information needed to develop alternative power supply products for Solo.



### **Solo Battery adapter**

The solo batter uses an proprietary plug and charger. Does anybody know if 3DR will sell an adapter so I can charge 3 batteries at once with my RC chargers and Efuel DC ...



### **3DR Solo 5200mAh 4S Smart Battery**

5200mAh 4S smart battery befit for your 3DR Solo Quadcopter. Save 46%, \$49.95 and free shipping. And Independence Day Celebration! 15% Off on everything! ...



### **All Discussions**

As many of you know, I designed a polished, easy-to-use 5-bay charger for Solo that was demonstrated by 3DR at CES and NAB earlier this year. Batteries click-in and click-out, using ...



### Part 2 - Under The Hood of 3DR SOLO

A gallery of various interior 3DR Solo shots has been provided at the bottom of all three parts of this article... At this point you'll be scratching your head trying to figure out why the battery tray can't be removed and is still ...



### My SOLO Battery mod

The BMSOne is proving to be a good solution for me. Always had calibration issues with the Solo BMS fitted to different batteries and it was always a clunky (technical term) fit and look on the Solo. So I opted for an internal ...

### Installing a Feiyu Tech MINI 3D gimbal on the 3DR SOLO Part 1 of 2

Again, this will 100% void the 3DR warranty on your SOLO. Things you will need: 3DR SOLO Feiyu-Tech MINI 3D Gimbal GoPro Camera (3+ or newer) Philips head ...





### charging batteries

I do not have a Solo still enjoying my Iris+ a lot but I see that Solo batteries seem to have a proprietary interface so that you can't use other chargers. Is this right? If so, ...

### 3DR Solo

Damage to the battery may result. Charge the pack completely and leave it on the charger for 48 hours. The pack will relax, then do a balance cycle, then top off. Let the pack sit for at least 2 ...



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