



# 3dr solo battery hack

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 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 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.

It includes sections on battery documents and mods, the BMSOne battery management system, Mission Planner software, Open Solo firmware, wiring diagrams, motor pods, cameras, 3D printed parts, antennas and ...

13) Battery diagnostic tool - the health of your Solo batteries is very important. You don't want them to fail while your Solo is in the air. Use a tool such as the "3DR Battery ...

hello !! I want to share my version of the power modification. I have 10 original batteries, but 5 of them last less than 13 minutes of flight (with camera and gimbal). Therefore, ...

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 ...

3DR Solo with LiIon 9000mAh battery | up to 30min flight time Derriell Feb 10, 2018 18650 3dr solo battery life battery mod liion long flight power module

When i charge my 3 batteries for solo I have to wait for each one to complete charge with one charging unit, especially if I started late at night and want to go to bed, Has ...

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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Watch for Modified Solo Battery Covers for Dummies coming to select theatres soon! I invite you and anyone interested to join our FB Group to stay informed as to our ...

Users of BMSOne can find it hard to remove the special Solo battery connector from a dead battery, this is a guide on how to do it, with a focus on simplicity. No desoldering vacuum ...

As usual, support for Solo is rock solid and the future looks bright! Great work by select few individuals in the various forums. Regarding replacement batteries, other than ...

So I'm searching the forum, and I'm really interested to know if it's possible to rebuild a Solo battery. In my contact with 3DR tech support, I've learned that the expected ...

This is my final mod at this time. I thought of creating a 4 Cell lipo in cased in the Solo battery shell, but got second thoughts about limited options. Aft...

Canadian Solo, I edited my second post above to reflect what changes you will need to make in order to read the smart battery data with an arduino uno. The arduino uno's ...

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

A friend crashed his 3DR Solo and gave me a couple of the batteries he didn't need anymore. I opened one of the batteries up and found the Lipo cells are the exact same as ...

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 ...

All of our batteries are dead or close enough that I don't trust them to fly again. I realize this is probably a hopeless cause, but does anyone know of a aftermarket battery that ...

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