



# Overland solar battery setup

Does an overland solar setup work if you're off-grid?

Having power makes life easier -- period. That holds true even when off-roading. One of the easiest and most reliable ways of having off-grid electricity is with a dedicated overland solar setup. As long as the sun is shining, you'll have power. So how do you get an overland solar setup? What do you need to make it work? What options do you have?

How do Overlander batteries work?

Overlanders can accomplish this either with one battery bank shared between these two uses, or a dual battery bank setup. Dual battery setups use one battery for vehicle uses (a "starter battery") and a completely separate one for things that make you feel at home (a "house battery").

Do you need a dual battery setup for overlanding?

Dual battery setups use one battery for vehicle uses (a "starter battery") and a completely separate one for things that make you feel at home (a "house battery"). The dual setup is preferred as the engine battery requirements are very different from the "house" or camping requirements.

What type of battery should I use for overland?

For this reason, lithium batteries, like our Battle Born Batteries, are best for house or camping batteries and a lead-acid or AGM is best for starting. If you want to see a schematic of what an Overland dual battery setup looks like, check out the Mortons On The Move electrical build and get access to the full-resolution version.

What types of batteries are used in Overland builds?

In overland builds, there are three main types of batteries: Lead Acid Battery (the cheapest and easiest to use, with Interstate Batteries being the most well-known), and AGM (Absorbed Glass Mat) Battery. Your vehicle most likely came with a lead acid battery.

Which solar panels are best for overlanding?

Most overland solar panels are either monocrystalline (to make the most efficient use of space) or thin-film (to be easily applied to awkward rooftop tents and to cut down on weight). Related Reading: [Best Roof Rack Solar Panels for Overlanding](#) [What Overland Solar System Options Are There?](#)



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Contact us for free full report

Web: <https://www.solarcomplete.co.za/contact-us/>

Email: [energystorage2000@gmail.com](mailto:energystorage2000@gmail.com)

WhatsApp: 8613816583346

