

Build your own solar powered water pump





Overview

What is a DIY solar water pump?

A DIY solar water pump involves a simple build that combines solar panels, a controller, and a DC water pump in a stand-alone system. In short, the solar array generates DC electricity to power the water pump. With this system, you can also add a backup battery for continuous use throughout the night or on a cloudy day.

How to install a solar pump system?

Connect the Water output of the pump to a long pipe and ensure that it is secured properly. Lower the pump into the water source and switch it on.³ The Solar Pump System controller is the brain of the entire project. It basically regulates the current supplied to the pump from the solar panels.

Can a solar water pump be used without a water pump?

The Solar Water Pump System can be used for residential water requirements and also for commercial uses. This system can also be used for irrigation of Agricultural Land. The Solar Panel Array can also be used without the water pump and can power your house or apartment.

What is the simplest solar water pump system?

So let's start with the easiest version of the solar water pump system and work our way up. The simplest version of this pump house uses a Shurflo 3.5gpm 12V Pump - the exact same pump we've had in our Airstream since 2017. It's by far the most rock solid pump we've used on any of these builds. They just don't quit!



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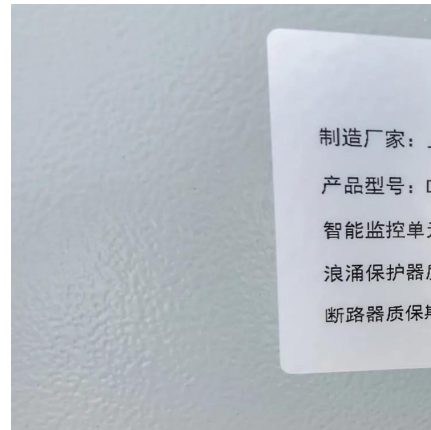
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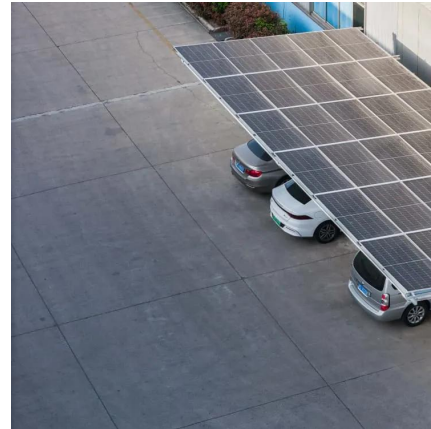
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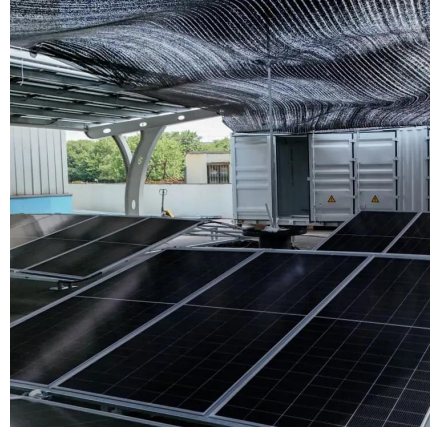


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