

Use mobile power to make solar 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 a portable solar water pump works?

The portable solar water pump was placed in the direction that sunlight incident directly on the solar panel. The solar water pump was connected and controlled by the application on the mobile phone. 3.6. System operational procedure.

What is solar water pumping?

Solar water pumping provides a welcome alternative to fuel-burning generators for pumping water. Advantages of PV pumping systems include low operating cost, unattended operation, low maintenance, easy installation, and long life . Solar pumping systems require no fuel.

How does a solar pumping system work?

Solar pumping system requires the use of a solar photovoltaic panel to generate electricity from the sun to drive a pump which sucks up water from a particular source and discharges the water either to an over-head tank or piping within a long distance where water is needed. This is carried out in locations where electricity is unavailable.



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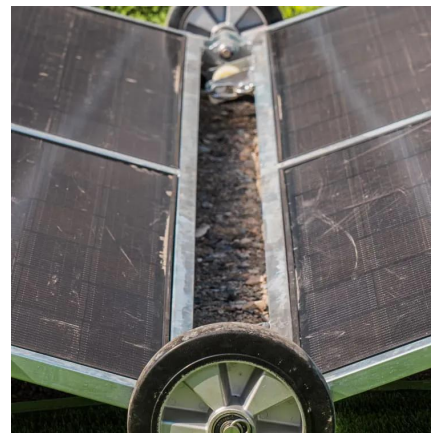
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