

## SolarTech Power Solutions

# Solar 500W DC Water Pump



## Overview

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What is a 500 watt solar water pump?

A 500 watt solar water pump is a 48V DC motor pump with a maximum head of 45~109m (145~355ft) and a maximum flow of 449~1321 gallons per hour. It has an inlet diameter of 3 inch/4 inch and an outlet diameter of 0.75 inch/1.25 inch. This solar water pump can be used for deep well, small fountain, large pond, or water tank applications.

What is a solar drive for water pumps?

A Solar Drive (for water pumps) is a type of electrical converter (essentially solar-powered VSDs) which converts the variable direct current (DC) output of a photovoltaic (PV) solar panel into alternating current (AC) that can be used by a local electrical water pump motor (also still allows for an AC input supply if required).

How to design a solar photovoltaic powered DC Water Pump?

The simplest type of PV system one could ever design is by connecting single or multiple PV modules directly to the DC load as shown in figure 1 below. The overall capacity of the modules is such that it can supply power only during the sunshine hours.

What are the advantages of DC Solar water pump?

Dc solar water pump advantages 1. Permanent magnet BRUSHless DC synchronous motor; Efficiency increase by 15%-20%; Energy saving; Reduce the use of solar panels 2. Copper or stainless steel outlet/connection/cylinder 3. Alloy mechanical seal, long service life, reliable work 4.

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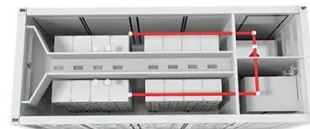


### 500W DC 48V 3" Solar Deep Well Pump Complete Kit

Apr 18, 2025 · ? [ Smart Dry-Run Protection? ] Intelligent water shortage sensor auto-stops the pump when dry to prevent damage. LED display shows real-time status for easy monitoring. ? [ ...

### Amazon : 3" Solar Deep Well Submersible Pump 48V 500W DC

Nov 19, 2020 · 3" Solar Deep Well Submersible Pump 48V 500W DC Submersible Solar Water Pump stainless steel Farm Irrigation + MPPT Controller Kit 3DSS1.7-109-48-500 (48V 500W)



### JENENSERIES Pump 500W DC 48V Solar Water Pumps, Max ...

·This solar well pump is built with rust-resistant 304 stainless steel, the pump is highly resistant to corrosion. ·The high-precision rotor and NSK bearing can reduce friction for long-time use. ...

## Best Dc Pool Pumps With Solar Panels for Efficient Outdoor Water

1 day ago · August 25, 2025 Choosing the best DC pool pump with solar panels can enhance your pool's energy efficiency while reducing electricity costs. Solar-powered pumps use clean ...



## Boost Efficiency with Cutting-Edge 500w solar dc water pump ...

About 500w solar dc water pump The 500w solar dc water pump is an innovative solution in the realm of renewable energy, specifically within solar applications. Designed to harness solar ...

## 500W DC48V Solar Water Pump Solar Submersible Borehole Pumps ...

Oct 23, 2024 · The water pump adopts a cast iron body, with strong power and an all copper motor. It has a high flow rate and is highly efficient and energy-saving. Watering can be done in ...



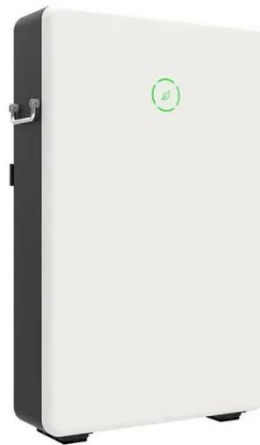


## CORE 100 - 600w Solar DC Borehole Pump

Description Introducing the Core 100 - our powerful Solar DC Borehole Pump designed to provide a reliable and sustainable water pumping solution. With a maximum head of 100m and a ...

## JENENSERIES Pump 500W DC 48V Solar Water Pumps, Max ...

JENENSERIES Pump 500W DC 48V Solar Water Pumps, Max head 393ft,7.9GPM Flow,3 inch Solar deep well submersible Pumps with MPPT controller float switch kits for home or farm



## What Size Solar Pump Inverter Do I Need to Run

...

Sep 2, 2024 · A solar pump inverter is a critical component of any solar-powered water pumping system. It converts the direct current (DC) generated by solar ...

## Amazon : 3" 48V DC 500W Deep Well Water Pump

## Solar Submersible Pump

Oct 15, 2020 · The solar water pump controller drives the high efficient brushless DC pump motor, utilizing the latest MPPT technology to ensure maximum flow is delivered under all light ...



## Amazon : Submersible Pump, 48V 500W DC Solar Water Pump...

Apr 16, 2025 · Submersible Pump, 48V 500W DC Solar Water Pump, 3 inch Stainless Steel Deep Well Pumps, Max Head 357.61ft with Controller for Home or Farm (500W)

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