

A-Core Container

Solar water pump inverter supplier



Overview

What is a solar pump inverter?

A solar pump inverter, also known as a solar variable frequency drive (VFD), helps in converting the direct current of a solar panel into an alternating current. It drives various AC motor water pumps like a centrifugal pump, irrigation pump, swimming pool pump, and deep well water pump.

What type of power supply does a solar pump inverter use?

The input can be a solar DC power supply (160-450VDC, 350-800VDC), also single-phase solar pump inverter, or a three-phase AC power supply (220V, 380V, 400V, 460V, 480V), built-in MPPT control system to increase the output power of PV array, ideal for remote and dry areas.

What is a solar well pump used for?

Beyond the listed uses, solar well pumps find application in a multitude of areas, including: Residential water supply: Ensure a steady flow of clean water for your home. Community water projects: Provide sustainable water access to remote communities. Environmental restoration: Support ecosystem revitalization efforts.

Who is Solartech envoy & water porter?

Contact SOLARTECH to get the customized solar pumping system solutions! Shenzhen solartech being solar envoy, water porter, is a professional manufacturer of solar pumping systems. We provide a variety of solar technology energy and solutions to meet your needs.

Can solar pumping inverters provide clean water in Honduras?

The project uses solar pumping inverters to achieve a daily water supply of 40 cubic meters, meeting customer demand. In April 2025, Solartech in collaboration with our Honduras EPC project partner, successfully implemented a 2200W solar water supply system for a local village, bringing

sustainable clean water to the community.

How to choose a solar water pump system?

First, you should confirm whether the solar water pump system is direct feed or with Tank System. You can refer to the below two diagram to calculate the pump head. In practice, we normally choose the pump head 10%-20% higher than the actual demand in order to make sure the pump can work properly.

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Contact Us

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