

## Kongres Container

# Variable frequency solar water pump inverter



## Overview

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Solar water pump inverter, also known as solar variable frequency drive, converts the DC power of the solar panel into AC power, thereby driving various AC motor pumps (centrifugal pumps, irrigation pumps, deep well pumps, swimming pool pumps, etc.), the input can be solar DC power supply (DC 200V-350V, DC 350V-750V), it can also be single-phase or three-phase AC power supply (AC 220V, 380V, 400V, 460V, 480V), the built-in MPPT control system maximizes the output power of the photovoltaic array, very Suitable for use in remote dry areas. What is MPPT VFD solar inverter?

VFD solar inverter also named mppt solar VFD inverter, solar VFD drive, solar water pump controller, or solar pump inverter. It is MPPT VFD (Variable Frequency Drive) that converts dc from solar panels to AC for ac solar pumping system.

What is a solar water pump inverter?

SI22 solar water pump inverter is cost-effective and economical, small and exquisite, palm-sized, greatly saving installation space and transportation costs. Solar pumping system converts solar energy directly into electric energy, and then drives motors to drive water pumps to pump water from deep wells, rivers, lakes and other water sources.

What is photovoltaic water pumping system?

Photovoltaic water pumping system is an integrated pumping system that consists of water pumps, solar panels as well as electric devices (like VFD solar inverter, etc.).

How to improve VFD solar inverter performance?

Normally we suggest when the distance from pump to solar pump drive is over 100m, we suggest you can install ac output line reactor for vfd solar inverter, and then it can improve solar pump system performance and prolong its lifetime.

What is a solar pumping system?

A typical solar pumping system contains a solar array, which converts sunlight into electricity, system; controllers, which control the array and the pump; an electric motor, which drives the pump; and a water pump, which moves water to where it is required.

What is solar PV (photovoltaic) powered pumping?

Solar PV (Photovoltaic) powered pumping has increased in popularity around the world thanks to the capabilities of variable frequency drives (VFDs). Typical applications range from irrigation and swimming pools through to water treatment and water supply.

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