



**SolarTech Power Solutions**

# **Solar 12V variable frequency water pump inverter**



## Overview

---

Solar pump inverter, also called solar variable frequency drive, converts the direct current of solar panel into alternating current, thereby driving various AC motor water pumps (centrifugal pump, irrigation pump, deep well water pump, swimming pool pump, etc.), the input can be the solar DC power supply (DC60-450VDC/DC 150V-450V, DC 250V-780V), also can be single phase or three phase AC power supply (AC110VAC/AC 220V, 380V, 460VAC), built-in MPPT control system to maximize the output power of the PV array, is very suitable for use in remote and dry areas. 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 a 15 hp water pump solar inverter?

15hp water pump solar inverter with MPPT control, AC 25A output at 3-phase, rated power 11kW, and DC voltage range (280V, 750V). 15 hp solar pump inverter with RS485 communication and IP20 protection, supports AC and DC input, works at (-10°C, 40°C).

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.

How does a solar pumping system work?

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. The system consists of solar panels, solar pump inverter and water pump.

What voltage is a solar pump inverter?

The DC voltage range of the solar pump inverter is (120V, 480V) and the recommended MPPT range is (250V, 400V). IP20 protection, solar inverter humidity <95% RH, storage temperature (-20°C, 60°C). MPPT control technology allows the solar pump inverter to detect the power of the solar panels.

What is veichi SI series solar water pump inverter?

VEICHI SI series solar water pump inverter is a high-efficiency solar water pump controller which can make full use of solar energy to drive water pumps for agricultural irrigation, water supply system, fountains, ground water lowering and etc.

## **Solar 12V variable frequency water pump inverter**

---

### **Contact Us**

---

For catalog requests, pricing, or partnerships, please visit:  
<https://zegrzynek.pl>