Kongres Container

# Which solar water pump inverter charges faster

## Overview

How to choose the rated power of a solar pump inverter?

When choosing the rated power of a solar pump inverter, you need to consider the following factors: Power demand of the water pump: First, you need to understand the rated power of the water pump used.

What is a solar pump inverter?

What is the solar pump inverter?

It is an off-grid or stand-alone inverter that converts DC power from solar panels (photovoltaic array) to AC power to supply a pumping system.

How to choose a water pump inverter?

For example, if the rated power of the water pump is 1.5kW, select an inverter with a rated power of 1.5kW or higher. The inverter power capacity can be indicated according to the AC pump-rated current or power capacity. The general rule is 1.4 greater than the AC pump-rated current.

How does a solar inverter work?

With solar radiation changes, solar panels' output DC power will change, so the solar inverter plays an important role in receiving such variable power and producing maximum AC power to the pump, also it adjusts output frequency in real-time so can run the pumping system at max efficiency.

How to choose a solar water pump?

By understanding A and B, you can get the maximum voltage that can be received from the solar array, and then choose the inverter input voltage range so that this key value can be covered. Head and flow: According to the actual application needs, determine the head and flow requirements of the solar water pump.

What is the inverter power capacity?

The inverter power capacity can be indicated according to the AC pump-rated current or power capacity. The general rule is 1.4 greater than the AC pump-rated current. Therefore, for a pump with a rated current of 5A, the inverter output current should be 5A * 1.4A = 7A.

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