



SolarTech Power Solutions

Orchard irrigation solar water pump inverter



LIQUID/AIR COOLING

PROTECTION IP54/IP55

PCS EMS

BATTERY /6000 CYCLES



Overview

Should farmers invest in a solar-powered irrigation system?

Before investing in a solar-powered irrigation system, farmers should consider the following factors: Water source depth – Determine how deep the water is to choose the right pump capacity. Daily water requirement – Calculate how much water is needed to ensure efficient irrigation.

What is solar photovoltaic water pumping system?

Solar photovoltaic water pumping system, also known as photovoltaic water pump or solar water pump system, converts solar energy into electricity through solar cell modules, and then drives the pump to raise water from low level to high level for farmland irrigation or human and livestock drinking.

How does a solar panel irrigation system work?

Solar panel The solar panel array converts sunlight into electricity, providing power to the irrigation system. The wattage of the solar panels depends on the pump's size and daily water requirements. 2. Motor pump The motor pump is responsible for drawing water from a well, river, or reservoir and directing it to the irrigation system.

What are the benefits of a solar-powered irrigation system?

Irrigation in remote areas – Unlike traditional electric or diesel-powered pumps, solar-powered systems work in off-grid locations, ensuring water access where conventional infrastructure is lacking. Eco-friendly – Solar energy is a clean, renewable resource, reducing carbon emissions and promoting sustainable farming.

What is solar-powered irrigation?

Solar-powered irrigation is a game-changing solution for modern agriculture. By harnessing the sun's energy, farmers can reduce costs, improve efficiency, and protect the environment. Whether for small-scale farms or large

agricultural operations, this system provides a reliable, cost-effective, and sustainable way to irrigate crops.

Should you switch to a solar-powered irrigation system?

Switching to a solar-powered irrigation system offers multiple benefits, making it a smart investment for farmers and agricultural businesses. Here are some of its key advantages:

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