

Solar powered irrigation water pump





Overview

What is a solar powered water pump?

A solar powered water pump is an eco-friendly, off-grid solution that uses solar energy to move water from wells, rivers, ponds, or tanks—without needing electricity or fuel. Perfect for farms, homes, and remote areas, these pumps are powered by photovoltaic panels and come in both surface and submersible options.

Are solar water pumps a sustainable solution for irrigation?

Solar water pumps provide an energy-efficient, sustainable solution for irrigation by harnessing the sun's energy. These pumps are cost-effective in the long term, requiring no ongoing energy costs.

How does a solar powered irrigation system work?

Every solar powered pump contains long-life brushless DC motors. The system provides predictive maintenance alerts to help surface solar pump users reduce equipment downtime. The system generates data-based impact reports which help NGOs and agri-lenders who invest in sustainable irrigation projects.

How much does a solar irrigation water pump cost?

The cost of a solar water pump for irrigation depends on several factors: Size and capacity: Smaller pumps (like those suited for garden irrigation) can be as affordable as \$200–\$500, while larger, industrial-grade pumps can range from \$1,500 to \$5,000.



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