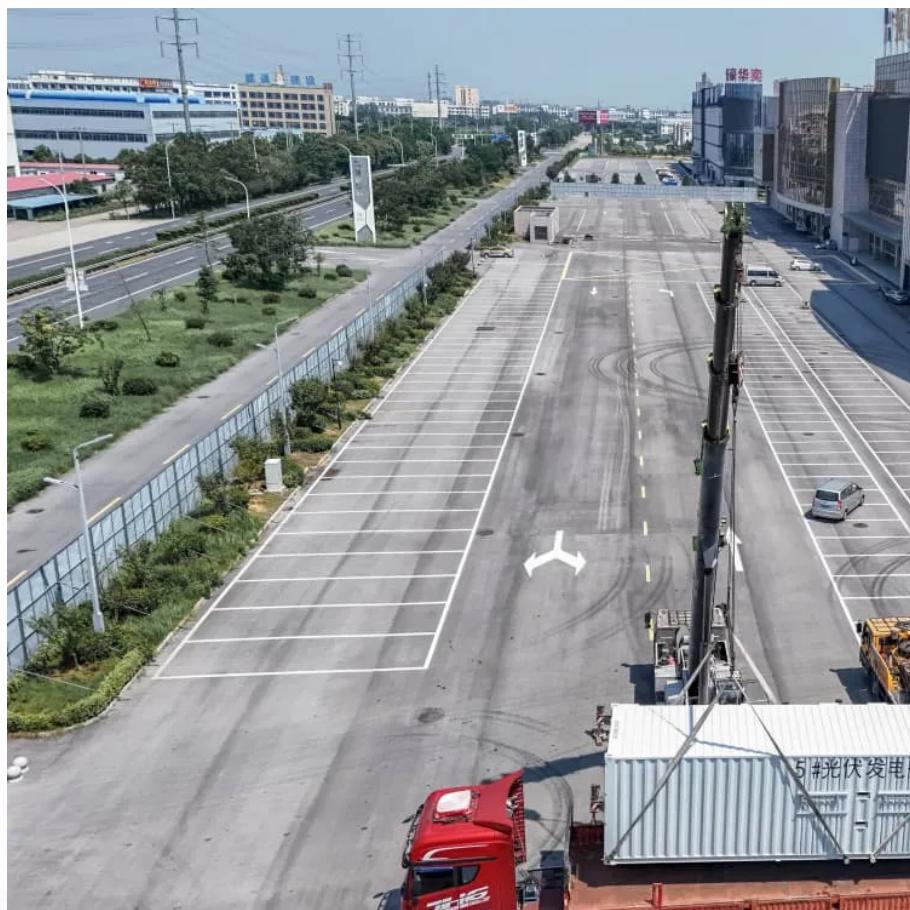




FTMRS SOLAR

Modify solar water sprinkler pump





Overview

Are solar-powered water pumps changing irrigation?

Solar-powered water pumps are changing irrigation. This guide will show you how they can change your water pumping, all while helping the environment. Imagine a world where your crops get enough water without costing you a lot. Solar water pumps are like superheroes for farms. They save money and the planet from high fuel costs and maintenance.

Can a sprinkler with solar water pump save electricity and water?

This electrical energy is used to operate the water pump connected with sprinkler for irrigation. The main objective of the study is to present a best method for saving electricity and water. In a water irrigation system, the sprinkler with solar water pump is used to minimize the usage of water and reduce the consumption of electricity.

How a solar PV irrigation system works?

The pump will be operated with the power supply from the solar panel. The converter is used between the solar panel and water pump. The converter also used to charge the battery . Battery is used to supply energy to the pump during spraying of water at night time. The simple layout of solar PV irrigation system is shown in Fig. 1.

How a sprinkler system works?

The sprinkler is used to spray water in the irrigation field for reducing the usage of water consumption. The photo- voltaic (PV) technology used for producing electricity is used to operate the motor used for solar pump.



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