

SolarInnovate Energy Solutions

Solar water pump remote control



Overview

Are solar water pumps integrated with a remote monitoring system?

Our Solar Water Pumps are integrated with a Remote Monitoring System, due to which they are easy to configure, provide rich information to technicians and customers plus they can be operated in all weather conditions.

What is a solar pump system controller?

The Solar Pump System controller is the brain of the entire project. It basically regulates the current supplied to the pump from the solar panels. The Power IN, L1, L2, L3 and Ground connector terminals are in the controller. Most Solar Pump System Controllers come along with LED indicators.

What is automatic solar submersible pump control panel for irrigation?

But, there is a solution, i.e., automatic solar submersible pump control panel for irrigation. In the trial of solar based plant irrigation using submersible pumps, PV cells are used to generate electricity, which is stored in rechargeable batteries. These batteries produce power for the system operation.

How to activate the water pump?

RF remote or transmitter will be with the user where a button press in the remote will activate the water pump. The whole receiver unit is going to be powered by Solar Panel directly without using any batteries. The receiver unit comprises of Under voltage lockout circuit, RF receiver module, controlling unit and water pump.

What is a solar pump monitoring gateway?

This gateway enables the remote monitoring of solar pumps. The interactive web portal represents previous and aggregated data, comparative analytical diagnosis, and a guided root cause for fault analysis. All data is logged and can be securely reviewed and analyzed from any location of the pump at any

time.

How to power a solar receiver unit without batteries?

The whole receiver unit is going to be powered by Solar Panel directly without using any batteries. The receiver unit comprises of Under voltage lockout circuit, RF receiver module, controlling unit and water pump. Batteries can be handy but will make this project bulk and costly.

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