

Solar Water Pumping System

This solar water pump system uses solar energy as a power source to draw water from wells, rivers, and lakes. When sunlight is weak, the system switches to electricity from utility grids or diesel generators, sharing energy in real-time.



ADDITIONAL IMAGES



System Overview

Sustainable Water Pumping Solution

This solar water pumping system provides a reliable, cost-effective alternative to grid-powered or diesel systems, utilizing advanced photovoltaic technology. Designed for unattended operation, the system features automated start/stop functionality and intelligent power management to maximize water output. It is engineered for durability in harsh environments, offering a hybrid power capability that allows for 24-hour operation by combining solar energy with utility power.

Technical Specifications

Environmental Ratings

60 °C

Max Operating Temp

65 IP

IP Protection Class

Core Technologies

MPPT Efficiency, Hybrid Solar/Utility, Soft Start/Stop, Lightning Protection

Features & Intelligence

Smart Features

- Automated unattended operation
- Built-in data recording module
- Remote control via App (RS485/GPRS)
- Over 20 system protection features
- Self-detection diagnostics

Applications

Suitable Applications

Agricultural Irrigation, Forestry Irrigation, Livestock Watering, Desert Management, Domestic Water Supply, Sewage Treatment, Fountain Landscape