

# Solar water supply pump control system

## 12.8V 200Ah



## Overview

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Modern solar-powered pump systems often include intelligent controllers that regulate voltage, prevent dry running, and adjust speed based on water levels or pressure demand. Pump water without the need for an electricity source using the latest solar pump solution from Control Techniques, whether your need is to reduce operational costs, improve water security, or be more sustainable. In this blog, we'll dive into the role of the solar pump controller, its functions, types, and how it works to optimize. Grundfos offers a complete line of low-maintenance, solar-powered water pumps, solar inverters, and AC/DC power blenders that deliver unmatched flexibility for irrigation and agriculture water supply. Solar pumping systems are similar to traditionally powered systems, but have some key differences that should be. 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

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### How to Choose the Right Solar Pump System for Reliable and ...

In this article, we explore the most critical questions businesses and operators should consider when selecting a solar pump system--from performance benefits and pump types to sizing ...

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### Integration of smart water management and photovoltaic pumping ...

The article presents a comprehensive design for integrating smart water management (SWM) and photovoltaic (PV) pumping systems to supply domestic water to rural communities.



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### Best Solar Powered Water Pump Systems That Work Anywhere ...

Solar panels absorb sunlight and convert it into electricity. That power flows into a controller or inverter, regulating voltage. The water pump (either surface or submersible) pushes or ...

## Solar Water & Pumping Solutions , Grundfos

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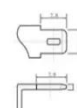
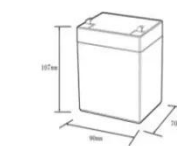


## Everything You Should Know About Solar Pumping System

Solar pumping systems have become a sustainable and efficient way to manage water resources. These systems power water pumps using solar energy rather than fossil fuels or grid ...

## Control Techniques , Solar Pump Solution , Sustainable & Highly

Pump water without the need for an electricity source using the latest solar pump solution from Control Techniques, whether your need is to reduce operational costs, improve water security, or be more ...


**12.8V6Ah**

Nominal voltage (V):12.8  
 Nominal capacity (ah):6  
 Rated energy (WH):76.8  
 Maximum charging voltage (V):14.6  
 Maximum charging current (a):6  
 Floating charge voltage (V):13.6-13.8  
 Maximum continuous discharge current (a):10  
 Maximum peak discharge current @10 seconds (a):20  
 Maximum load power (W):100  
 Discharge cut-off voltage (V):10.8  
 Charging temperature (°C):0-+50  
 Discharge temperature (°C):-20-+60  
 Working humidity: <95% R.H (non condensing)  
 Number of cycles (25 °C, 0.5c, 100%doD): >2000  
 Cell combination mode: 32700-4s1p  
 Terminal specification: T2 (6.3mm)  
 Protection grade: IP65  
 Overall dimension (mm):90\*70\*107mm  
 Reference weight (kg):0.7  
 Certification: un38.3/msds

## Solar Water Pump Controllers



Many of our solar submersible pumps require a controller to ensure that you get the most out of the solar power that is supplied to them. These controllers protect the pumps from running dry, too much ...

## How Solar Water Pumping Systems Work

These systems utilize renewable solar energy to pump water, making them an efficient, eco-friendly, and cost-effective solution for regions with unreliable electricity or high energy costs. Here's a detailed ...



*LiFePO<sub>4</sub> Battery, safety*

*Wide temperature: -20~55°C*

*Modular design, easy to expand*

*The heating function is optional*

*Intelligent BMS*

*Cycle Life: > 6000*

*Warranty: 10 years*



## Solar Pump Controllers: Essential Components for Efficient Water

A solar pump controller is an electronic device that regulates the operation of a solar water pump. Acting as an interface between the solar panels and the water pump, it ensures that the pump ...

## Solar Water Pumping

This article covers the basic outline for designing a solar powered pumping

system. Key Points Solar pumping is often more simple and less expensive over the lifespan of the system than traditionally ...



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