

# DC Solar Water Pump

This DC solar water pump uses a DC brushless motor, requiring less solar array. It has full automatic operation with complete protection functions, including water level monitoring to prevent overflow and dry running.



## Overview

### High-Efficiency Solar Pumping Solution

This DC solar water pump controller is engineered for reliable, off-grid water management in agricultural and livestock applications. Featuring advanced Maximum Power Point Tracking (MPPT) technology, it optimizes energy harvesting from solar arrays to ensure consistent performance. The system includes robust protection mechanisms against over-voltage, over-current, and short-circuits, providing a secure and durable solution for remote water pumping needs.

## Electrical Specifications

### Max Input Power

**1000 W**

Max Input Power

Max Input Current	15 A
Max Open Circuit Voltage	150 VDC
Recommended MPP Voltage Range	60 - 120 VDC

## Configuration Options

### Recommended Solar Array Configurations

Configuration	Panel Spec	Connection	Total Power
Configuration 1	190W / 35Vmp	2 pcs x 2 strings	760W
Configuration 2	250W / 30Vmp	3 pcs x 1 string	750W

## Features

Protection Mechanisms	Over-voltage Protection, Over-current Protection, Short-circuit Protection, MPPT Technology
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