

# Submersible Solar Water Pump with Brushless DC Motor

This submersible solar pump is designed for irrigation and water supply in remote locations. It features a brushless DC motor, MPPT technology, and a software start-up system.



## Product Overview

### High-Efficiency Solar Submersible Solution

This submersible solar water pump is engineered for reliable water extraction in agricultural and residential applications, including irrigation and drinking water supply. Utilizing advanced MPPT and DSP chip technology, the pump maximizes solar power efficiency, offering a 25% improvement over traditional AC motors. Its brushless DC motor construction combined with high-grade stainless steel ensures longevity and consistent performance in demanding environmental conditions.

## Technical Specifications

Motor Technology	Brushless DC Motor (BLDC)
Construction Materials	Stainless Steel 304, Cold-rolled Silicon Steel, Copper Wiring, Natural Rubber Sealing
Motor Insulation	300 M $\text{\textcircled{C}}$

## Controller Features

### Control System Functions

- Soft start-up system to reduce hardware stress
- Automatic solar circuit detection for motor protection
- Integrated LED status display
- Groundwater and tank level sensing
- Automatic restart on overload

## Warranty and Support

### Warranty Coverage

3 Years Warranty