

Solar Powered Submersible Borehole Pump 5L

This solar powered pump is designed to pump water in remote locations without the need for electricity. It replaces energy storage with water storage and is suitable for areas lacking water and electricity.



Overview

Solar Powered Submersible Borehole Pump

The 5L Solar Powered Submersible Borehole Pump is a high-efficiency water solution engineered for remote areas lacking reliable grid access. Constructed from durable 304 stainless steel, it is built to withstand harsh conditions while providing consistent performance. The system utilizes advanced MPPT technology and a brushless DC motor to maximize solar energy conversion for reliable water delivery.

Construction & Materials

Material Composition

Component	Material
Outlet	304 Stainless Steel
Pump Body	304 Stainless Steel
Impeller	304 Stainless Steel
Motor Body	304 Stainless Steel

Motor & Controller

Ingress Protection

IP67

Motor Type	Full Oil Permanent Magnet Brushless DC Motor (Without Hall)
Controller Specifications	32bit MCU, FOC, Sine Wave Current, MPPT
Controller Housing	Die-cast Aluminum

Performance

Maximum Flow Rate

5 L/min

Flow Rate