DC Solar Submersible Water Pump

This DC solar submersible water pump is designed to be powered by AC and DC sources without modification. Its motor speed ranges from 500-3600rpm depending on power input and load, developed for solar deep well systems.

ADDITIONAL IMAGES

Product Overview

High-Efficiency Hybrid Solar Pump

This 3HP submersible water pump is engineered for reliable water extraction in off-grid and remote locations. Featuring a robust stainless steel construction and a brushless DC motor with an integrated controller, it offers a versatile hybrid power solution capable of running on both solar DC input and AC grid power. With built-in protection systems and advanced frequency conversion, this pump ensures sustainable and cost-effective water supply for irrigation and domestic use.

Performance Metrics

Key Performance Indicators

3 HP	43 m	670 L/min	150 m
Max Power	Max Head	Max Flow	Max Submergence

Technical Specifications

Power Input

Source	Range
DC Voltage	60-380 Vmp
AC Voltage	90-240 V
Max VOC	440 V

Dimensions

- Pump Diameter: 6 inch
- Discharge Size: 3 inch

Motor Configuration	Brushless DC, Water-filled, Single Phase, Built-in Controller

System Features

Safety & Protection

Dry-running protection • Over-current protection • Input Over-voltage Protection • Overload protective

Advanced Functions

- Soft starting running
- Thrust bearing system
- Automatic running
- GPRS monitor (optional)
- Generator auto turn on/off (optional)

Warranty & Support

Warranty	2 years