

Hybrid Solar Pump Inverter 550W-7.5kW IP65

This hybrid solar pump inverter is designed for small field irrigation and drinking water systems. It uses a hybrid design with solar and utility/DG energy complementation.



ADDITIONAL IMAGES



Overview

Hybrid Solar Pump Inverter

This hybrid solar pump inverter is engineered for small-scale field irrigation and municipal drinking water systems. It features a robust design that allows for the seamless integration of solar energy with utility grid or generator power, ensuring reliable 24-hour water supply. With an IP65 protection rating, it is built to withstand harsh outdoor environments while delivering high-efficiency performance.

Technical Specifications

Max MPPT Efficiency

99 %

Efficiency

Available Power Models

- 2.2kW
- 3kW
- 3.7kW
- 4kW
- 5.5kW
- 7.5kW

Max PV Input Voltage	880 V
MPPT Voltage Range	460-850Vdc
AC Input	360-460Vac, 3-phase, 50/60Hz

Features & Protection

Protection Grade

IP65 • Outdoor Ready

Safety Features

- Undervoltage protection
- Overload protection
- Overvoltage protection
- Overcurrent protection
- Grid phase loss protection
- Pump dry protection
- Short circuit protection
- Overheating protection

System Capabilities

- Automatic switching (Grid/Solar/DG)
- Solar priority logic
- Soft start and soft stop
- One-key startup
- 24H water supply capability

Connectivity

RS485, GPRS, Remote Monitoring, APP Management