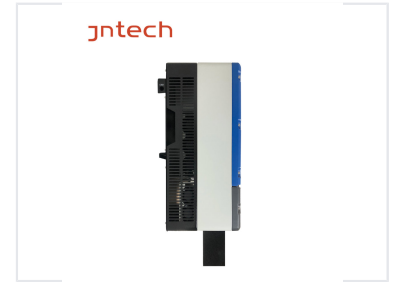


22kW-55kW 3-Phase Solar Pump Inverter with GPRS

This solar pump inverter converts direct current energy from photovoltaic cells into electrical energy to drive water pumps. Utilizing an MPPT algorithm, the inverter adjusts the output frequency based on sunlight intensity to maximize solar energy use.



ADDITIONAL IMAGES



Product Overview

High-Efficiency Solar Pump Inverter

This 3-phase solar pump inverter is engineered for large-scale field irrigation and centralized rural water supply systems. Utilizing advanced MPPT algorithms with over 99% efficiency, it converts DC energy from photovoltaic cells to drive pumps effectively. The hybrid design supports seamless switching between solar power and utility grid or DG energy, ensuring 24-hour water supply capabilities.

Key Features

System Highlights

- Hybrid power support (Solar/Grid/DG)
- Advanced MPPT algorithm (>99% efficiency)
- IP65 rated aluminum casing for outdoor use
- Remote monitoring via RS485 and GPRS
- Comprehensive system protection suite
- Soft start and soft stop functionality

Technical Specifications

Max. Input DC Voltage	880 Vdc
Recommended MPPT Voltage	460-850Vdc
Max. Input DC Current	49 A
Max. MPPT Efficiency	99 %
Number of Strings	3
Rated Output Voltage	380-460Vac (3-phase)
Output Frequency Range	0-50/60Hz
Rated Output Current	42 A

Protection & Durability

Ingress Protection Rating

IP65

System Protections

Undervoltage, Overload, Overvoltage, Overcurrent, Grid Phase Loss, Pump Dry Protection, Short Circuit, Overheating