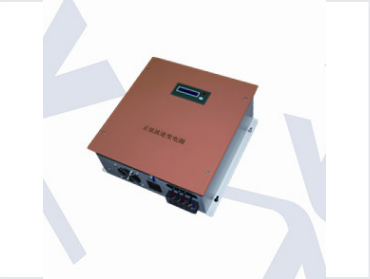
0.3 kVA Off-Grid Power Frequency Inverter

This power supply generates stable AC/DC power from a battery to the load. It is designed for power controlling systems, fitting high equipment's reliability of quality and controlling for high and stable AC power.



Overview

Professional Off-Grid Power Solution

This 0.3 kVA off-grid power frequency inverter is engineered to generate stable AC power from battery sources, making it an ideal solution for remote locations or critical backup systems. Designed for high reliability, it features pure sine wave output and frequency transformer isolation to support sensitive equipment. With comprehensive protection functions and remote monitoring capabilities via RS232, this inverter ensures consistent performance in demanding power control environments.

Performance Metrics

Performance Highlights

0.3 kVA	80 %	3 %
Rated Power	Peak Efficiency	THD (Linear Load)

DC Input

DC Input Specifications

Parameter	Value
Rated Voltage	12 VDC
Input Voltage Range	10.8~16 VDC
Low Voltage Protection	10.8 VDC
Over Voltage Protection	16 VDC

AC Output

AC Output Details

- Pure sine wave output
- Rated output power: 240W
- Frequency: 50/60Hz ±0.05Hz
- Voltage: 110/220VAC ±5%
- Power factor: 0.8

Operational Features

Protection & Safety	Input Low Voltage Protection, Input Over Voltage Protection, Output Overload Protection, Output Short Circuit Protection, Internal Overheat Protection
Monitoring & Control	RS232 interface for long-distance monitoring, LED display, and button operation

Environment

Environmental Ratings

Specification	Value
Operating Temp	-20 to +50 °C
Storage Temp	-25 to +70 °C
IP Rating	IP20
Max Altitude	5000 m
Relative Humidity	d95%r(on-condensing)

Physical Specs

Dimensions & Weight

- Dimensions: 380 x 340 x 143 mm
- Weight: 9.8 kg
- Cooling: Air cooling