ZILO®
ENERGY REDEFINED

ALL-IN-ONE INVERTER

PV INVERTER WITH BATTERY SUPPORT

PRODUCT FEATURE

Highly integrated
Component integration
Compact structure

Excellent performance
High energy conversion efficiency
Precise battery management

Intelligent control
Multiple protections; Safe materials
Strict certification

Easy installation and maintenance
Fast installation
Easy maintenance

ALL-IN-ONE INVERTER

PV INVERTER WITH BATTERY SUPPORT

- High energy conversion efficiency
  Precise battery management
- Intelligent operation control
  Remote monitoring and management
- Multiple protections, Safe materials
  Strict certification
- Flexible capacity configuration
  Easy function expansion
- Component integration
  Compact structure
- Fast installation
  Easy maintenance

Model	ALL-IN-ONE INVERTER
AC Parameters	
Rated Input Voltage	230Vac
Rated Input Frequency	50Hz
Input Voltage Range	90–280Vac ±5Vac
Input Frequency Range	45–65Hz
Input Power Factor	> 0.95
AC Output	
Rated Output Voltage	230Vac ±5Vac
Rated Output Frequency	50Hz ±0.5%
Total Harmonic Distortion (THD)	<3% @linear load, <5% @non-linear load
Output Power Factor	≥0.99
UPS Transfer Time	≤20ms
PV Input	
Input Voltage Range	11–55Vdc
Max. Input Power	300W Max.
MPPT Voltage Range	14-60V
Start-Up Voltage	12V
Battery Parameters	
Battery Type	LFP 3.2V/314Ah
Max. Charging Power	500W Max.
Output Voltage Accuracy	±5%
Cycle Life	6000 times
Self-discharge Rate	< 3.5%
Charging Temperature	0–40°C
Discharging Temperature	-10–40°C
Storage Temperature	-0–40°C
Dimensions	282*142*284mm
Weight	13.4kg
Protection Features	Overvoltage/Undervoltage/Temperature/Short circuit
Ingress Protection	IP20