



ALPHA Series Hybrid Inverters Safe Operation for Sensitive Electronics and Appliances

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: TP
- Certification: CE
- Model Number: ALphaA
- Minimum Order Quantity: 6 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Rated Output Power: 1.5KVA To 3KVA
- Battery Capacity: 1.28KWh / 2.56KWh / 5.12KWh
- AC Input Voltage Range: 170-280Vac (UPS), 90-280Vac (Appliances)
- Solar PV Input Voltage: 240Vdc, MPPT Range: 30Vdc~350Vdc
- Max. Charging Current: 60A (AC Charging), 60A (Solar Charging)
- Operating Temperature: -10°C To +50°C
- Highlight: **Hybrid Inverters, Hybrid Inverters, Hybrid Inverter**

for more products please visit us on fuhaosolar.com

Product Description

ALPHA Series Hybrid Inverters Safe Operation for Sensitive Electronics and Appliances

Product Description:

The ALPHA Series Inverter/Charger is designed to provide reliable energy conversion and storage solutions for both residential and small commercial applications. With a power output range from 1.5KVA to 3KVA, this series is perfect for supporting essential home or office loads during power outages or integrating with solar power systems. The inverters feature a pure sine wave output, ensuring the safe operation of sensitive electronics and appliances. The integrated lithium iron battery with capacities ranging from 1.28KWh to 5.12KWh ensures long-lasting energy storage and reliable power supply. Built with advanced protection features, such as overcharge, overdischarge, overcurrent, and short-circuit protection, the ALPHA series delivers optimal performance in various environments.

MODEL	ALPHA1.5KVA/1.28KWH	ALPHA3KVA/2.56KWH	ALPHA3KVA/5.12KWH
SPECIFICATION			
Inverter /Charger			
Inverter Type	1.5KVA/12V	3KVA/24V	3KVA/24V
Rated Output Power	1.5KW	2.7KW	2.7KW
Output Voltage Waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Output Voltage	230VAC 50HZ	230VAC 50HZ	230VAC50HZ
Charging Current(Utility and solar together)	80AMax.	80AMax.	80AMax.
ACInput			
Nominal Input Voltage	230Vac		
Voltage Range	170-280Vac(UPS),90-280Vac(Appliances)		
Nominal Input Frequency	50HZ/60HZ(Auto detection)		
AC ChargingCurrent	60AMax.	60AMax.	60AMax.
Solar Input			
Nominal PV Voltage	240Vdc	240Vdc	240Vdc
PV Array MPPT Voltage Range	30Vdc~80Vdc	30Vdc~350Vdc	30Vdc~350Vdc
SolarCharging Current	60AMax.	60AMax.	80AMax.
LithiumIronBattery			
Capacity	1280Wh	2560Wh	5120Wh
Nominal BatteryVoltage	12.8Vdc	25.6Vdc	25.6Vdc
Typical Capacity	100Ah	100Ah	200Ah
Max.Charge Current	50A	50A	50A
Max.Discharge Current	100A	100A	100A
Operation Temperature	-10°C~+50°C		
Protection			
Protection	Overcharge/Overdischarge/Overcurrent/Overtemperature/Shortcircuit protection		
Ambient			
Noise(dB)	<40dB(1meter)		
Working Temperature	-10°C~+50°C		
Humidity	0~95%(no condensation)		
Sea Level(m)	≤1500		
Dimension			
LXWXH(products size)	L450*W213*H636mm	L450*W279*H731mm	L873*W480*H279mm
L×WXH (package size)	L721*W535*H298mm	L816*W535*H364mm	L941*W555*H354mm

Application:

This series is ideal for applications such as:
 Residential backup power to ensure continued operation of essential devices during grid outages.
 Solar integration, serving as an energy storage solution for solar panel systems.
 Small business continuity, providing backup power to protect critical data and equipment.
 Remote locations, offering off-grid energy storage solutions.

Shipping Methods

Supports global air and sea shipping.

