



3200W 5000W Flexible And Scalable Hybrid Inverters 120-450V

Our Product Introduction

for more products please visit us on fuhaosolar.com

Basic Information

- Place of Origin: China
- Brand Name: ZJDK
- Certification: CE ROHS FCC UN38.3 MSDS ISO9001
- Model Number: ZJDK-DKPC 3200/5000
- Minimum Order Quantity: 8 set
- Price: consult prices online
- Packaging Details: 486*370*198mm/526*384*198mm
- Payment Terms: T/T



ZJDK-DKPC3200

Product Specification

- Rated Power: 3200W/5500W
- Standard Voltage: 24VDC/48VDC
- MPPT Tracking Voltage Range: 120-450V
- Max PV Input Power: 4000W/6000W
- Output Efficiency: $\geq 94\%$ (Inverter) / $\geq 99\%$ (Grid)
- Max Charging Current (Grid 100A + PV):
- Cooling Method: Intelligent Cooling Fan
- Conversion Time: $\leq 4\text{ms}$
- Highlight: 5000W Hybrid Inverters, 3200W Hybrid Inverters, 100A 5 kw hybrid inverter

Product Description

Product Description

Our **Cabinet Pure Sine Wave Solar Inverter** is a cutting-edge, modular energy solution designed for both residential and commercial applications. Featuring a single-phase 220V pure sine wave output, this inverter guarantees a stable and efficient power supply. Its design allows for seamless integration into a rack system, enabling multiple inverters to be stacked and configured to meet varying energy demands. This flexibility makes it an ideal choice for scalable energy storage systems.

One of the standout features of this inverter is its built-in Maximum Power Point Tracking (MPPT) technology. MPPT ensures that your solar energy system operates at peak efficiency, even under fluctuating weather conditions. This not only maximizes energy harvest but also significantly reduces energy costs over time. Additionally, the inverter's advanced communication support allows for remote monitoring and management, giving users real-time insights and control over their energy systems.

When considering market positioning, this inverter is designed to cater to users who prioritize both reliability and flexibility in their energy solutions. Its high efficiency, combined with a user-friendly interface and the ability to expand the system as needed, makes it a future-proof investment. The product's robust build and sophisticated technology ensure long-term durability, reducing the total cost of ownership.

PARAMETER		
Mode	DK-PC3200	DK-PC5000
Rated power	3200W	5000W
Standard voltage	24VDC	48VDC
Installation	Cabinet/rackinstallation	
PVPARAMETER		
Working model	MPPT	
RatedPVinput voltage	360VDC	
MPPT tracking voltage range	120-450V	
Max input voltage(VOC)at lowest temperature	500V	
Maxinputpower	4000W	6000W
Number of MPPTtracking paths	1 Path	
INPUT		
pC inputvoltage range	21-30VDC	42-60VDC
Ratedmains power input voltage	220/230/240VAC	
Grid power input voltage range	170~280VAC(UPS model)/120~280VAC(inverter model)	
Grid inputfrequency range	40~55Hz(50Hz)55~65Hz(60Hz)	
OUTPUT		
Inverter	Outputefficiency	94%
	Output voltage	220VAC±2%/230VAC±2%/240VAC±2%(Inverter model)
	Outoutfrequency	50Hz±0.5 or 60Hz±0.5(Inverter model)
Grid	Outputefficiency	≥99%
	Outputvoltage range	Following input
	Output frequency range	Following input
Battery modeno-load loss		≤1%(Atrated power)
Grid mode no-load loss		≤0.5%Rated power(the charger of grid power doesn't work)

BATTERY		
Battery type	Lead acid battey	Equalizingcharging 13.8V Floatingcharging13.7V(single battery voltage)
	Customized battery	The parameter can be set according to customers'requirement (Use different types of battery by setting thepanel)
Max mains charging current		60A
Max PV charging current		100A
Maxchargingcurrent(Grid+PV)		100A
Charging method		Three-stage(constant current,constantvoltage,float charge)
PROTECTED MODE		
Battery low voltage range		Battery low voltage protection value +0.5V(Singlebattery voltage)
Battery voltage protection		Factory default 10.5V(Single battery voltage)
Battery over voltage alarm		Equal charging voltage +0.8V(Single battery voltage)
Battery over voltage protection		Factory default 17V(Single battery voltage)
Battery over voltage recovery Voltage		Battery over voltage protection value-1V(Single battery voltage)
Overload/short circuit protection		Automatic protection (battery mode),circuit breaker or fuse(Grid mode)
Temperature protection		≥90°Coff output

PERFORMANCE PARAMETERS		
Conversiontime	≤4ms	
Cooling method	Intelligent coolingfan	
Working temperature	-10~40°C	
Storage temperature	-15-60°C	
Altitude	2000m(>2000m altitude need derating)	
Humidity	0~95%(Nocondensation)	
Product Size	440*495*178mm	440*495*178mm
Package Size	486*370*198mm	526*384*198mm
Net weight	8.5kg	9.5kg
Gross weight	9.5kg	10.5kg

Application

Our **Cabinet Pure Sine Wave Solar Inverter** is ideal for a wide range of energy storage applications, from residential homes seeking energy independence to commercial facilities aiming to optimize energy use and lower operational costs. Its modular design is particularly suited for environments where space is at a premium, allowing for easy installation in existing rack systems.

For residential users, this inverter provides a reliable backup power solution, ensuring that critical appliances remain powered during grid outages. Its pure sine wave output is safe for sensitive electronics, making it a perfect fit for modern homes equipped with advanced technology.

Commercial users will benefit from the inverter's scalability, which allows businesses to start with a basic setup and expand their energy storage capacity as their needs grow. The advanced MPPT technology and communication features ensure that the system remains efficient and easy to manage, reducing both energy costs and the burden on facility management teams.

In the current market, where sustainability and energy efficiency are paramount, Our**Cabinet Pure Sine Wave Solar Inverter** offers a competitive edge. It aligns with global trends towards renewable energy adoption and supports a transition to more sustainable business practices. By choosing this inverter, users are not just investing in a product but in a future-proof energy solution that will grow with them and deliver consistent performance for years to come.

Shipping Methods

Supports global air and sea shipping



RICHGOOD ENERGY CO.,LTD



willa@fuhaosolar.com



fuhaosolar.com

Rm3810 Baoli E Building Pa Zhou Haizhu district Guangzhou