



80A Hybrid Inverter For Grid Connected And Off Grid Solar Systems With MPPT Technology

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CX
- Certification: CE
- Model Number: CXS32
- Minimum Order Quantity: 50 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Rated Power: 1600W/2000VA, 3000W/3200VA
- Maximum Efficiency: 98%
- Input Voltage Range: 90~280VAC (Home Appliances)
- Maximum Solar Charge Current: 80A
- MPPT Voltage Range: 30~400VDC
- Dimensions (DWH): 357×273×95 Mm / 440×340×170 Mm
- Highlight: **80A hybrid solar inverter off grid, 1600W hybrid solar inverter off grid, 3000W hybrid on off grid inverter**

Product Description

Hybrid Inverters for Grid-Connected and Off-Grid Solar Systems with MPPT Technology

Features

- Pure sine wave solar inverter
- Output power factor SY2.0K=0.8/SY3.2K>0.9
- WIFI&GPRS available for iOS and Android
- Built-in 80A MPPT Solar charge
- High PV input voltage range(30~400VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Meet the rich customize needs of customers
- Compatibe with lithium battery
- Solar energy is provided directly to the load first

Product Description:

This hybrid inverter integrates cutting-edge MPPT technology with built-in anti-dust protection and RGB lighting features. Designed to provide seamless power management, it supports both grid-connected and off-grid solar systems. With a maximum efficiency of 98%, IP21 ingress protection, and 80A MPPT solar charge, it ensures optimal performance even in harsh environments. The inverter offers a dual PV input and a smart battery charging system, capable of running without a battery and directly supplying solar energy to loads. Equipped with WiFi and GPRS for remote monitoring, this inverter supports IOS and Android platforms for seamless control and management.

| | | |
|--------------------------------|--|--------|
| MODEL SY-1.0K12 SY-1.5K24 | | |
| Rated Power | 1600W/2000VA 3000W/3200VA | |
| AC INPUT | | |
| Voltage | 230VAC | |
| Selectable Voltage Range | 170-280VAC(ForPersonal Computers) | |
| | 90~280VAC(For Home Appliances) | |
| Frequency Range | 50Hz/60Hz(Auto sensing) | |
| AC Output | | |
| AC Voltage Regulation | 230VAC±5% | |
| Surge Power | 4000VA | 6400VA |
| Efficiency(Peak)PVto INV | 98% | |
| Efficiency(Peak)Battery to INV | 94% | |
| Transfer Time | 10ms(For Personal Computers);20ms(For Home Appliances) | |
| BATTERY &AC CHARGER | | |
| Battery Voltage | 12VDC | 24VDC |
| Floating Charge Voltage | 13.5VDC | 27VDC |
| OverchargeProtection | 16VDC | 33VDC |
| SOLAR CHARGER &ACCHARGER | | |
| Solar Charge Type | MPPT | |
| Maximum PVArray Power | 2000W | 3000W |

| | | |
|-------------------------------------|-------------|-----|
| MPPT Range @Operating Voltage | 30-400VDC | |
| Maximum PVArrayOpen Circuit Voltage | 400VDC | |
| Max InputCurrent | 1/13A | |
| MaximumSolar Charging Current | 80A | |
| Maximum AC Charging Current | 60A | |
| MaximumCharging Current(Solar+AC) | 80A | |
| PHYSICAL | | |
| Dimension,D×W×H(mm) | 357*273*95 | |
| Carton Dimension,D×W×H(mm) | 440*340*170 | |
| Net Weight(kgs) | 5 | 5.6 |
| Gross Weight(kgs) | 6 | 6.3 |
| ENVIRONMENT | | |

| | |
|-----------------------|---|
| Humidity | 5%to 95%Relative Humidity(Non~condensing) |
| Operating Temperature | -10°C~50°C |
| STANDARD | |
| Compliance Satety | CE |

Application:

This hybrid inverter is ideal for residential and commercial use, providing reliable energy for home appliances. It is designed for systems where solar energy and battery storage are integrated, allowing efficient energy management whether the grid is available or not. Its compatibility with lithium batteries and flexible PV input range make it perfect for areas prone to power outages or regions looking to maximize solar energy efficiency.

Shipping Methods

Supports global air and sea shipping.



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