

# 12V 24V 48V Auto Mppt Solar Charge Controllers 60A 80A 100A TTL RS485 BT

Our Product Introduction

for more products please visit us on [enikolnewenergy.com](http://enikolnewenergy.com)

## Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ENIKOL
- Model Number: HF2420S60-145
- Minimum Order Quantity: 10 sets
- Price: \$470.00/sets 10-49 sets
- Packaging Details: Colorful box



## Product Specification

- Input Voltage: (170Vac~280Vac)  $\pm 2\%$ ; (90Vac-280Vac)  $\pm 2\%$
- Output Voltage: 230Vac
- Output Current: 30A
- Output Frequency: 50Hz  $\pm 0.3\text{Hz}$ /60Hz  $\pm 0.3\text{Hz}$
- Size: 378mm\*280mm\*103mm
- Certificate: CE(EN62109-1)
- Weight: 6.2KG
- Communication Mode: TTL Serial Communication
- Working Temperature: -35 ~ +45
- MPPT Tracking Efficiency: >99%
- Work Time (h): 24H
- Maximum PV Open Circuit Voltage: 75Vdc
- PV Operating Voltage Range: 30-75Vdc
- Battery Voltage Range: 10-30Vdc



## More Images



## Product Description

**60A 80A 100A 12V 24V 48V Auto Mppt Solar Charge Controllers LCD Solar Energy Controller TTL RS485 BT**

### Product Description

the series is a new all-in-one hybrid solar inverter charger, which integrates PV charge & Grid charge with sine wave output, For home, outdoor, RV, etc., off-grid hybrid inverter controller..

### Specification

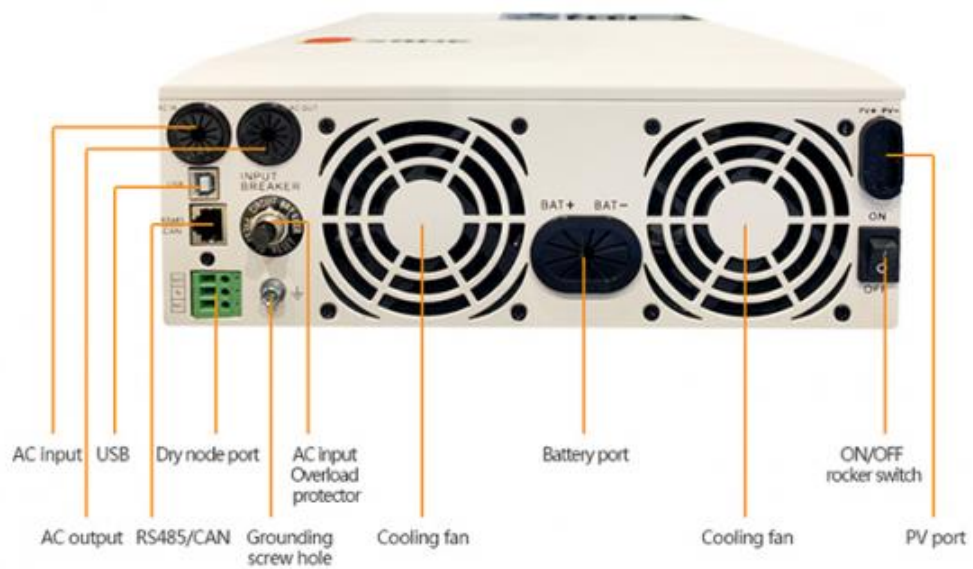
Place of Origin	Shenzhen, China
Output Voltage	230v
Phase	Single phase (standalone)
Output Frequency	50Hz/ 60Hz
Size	378*280*103mm
Inverter Efficiency	>95%
Warranty	36 months
Output voltage waveform	Pure sine wave
Certificate	CE(IEC/EN62109-1,-2), ROHS2.0
Rated power	3000w
Color	White
AC charge current	60A
PV charge current	80A
Wifi function	support
Maximum PV open circuit voltage	100vdc
Battery type	Lead acid or lithium battery
6.2Weight	6.2kg



## Intelligent variable speed fan



Intelligent variable speed fan to  
efficiently dissipate heat  
and extend system life



## Product overview

HF series is a new all-in-one hybrid solar inverter charger, which integrates PV charge & Grid charge with sine wave output.



## Product Details

### Accurate data displayed on LCD



Three LED indicators  
Show system data  
and operating status  
dynamically

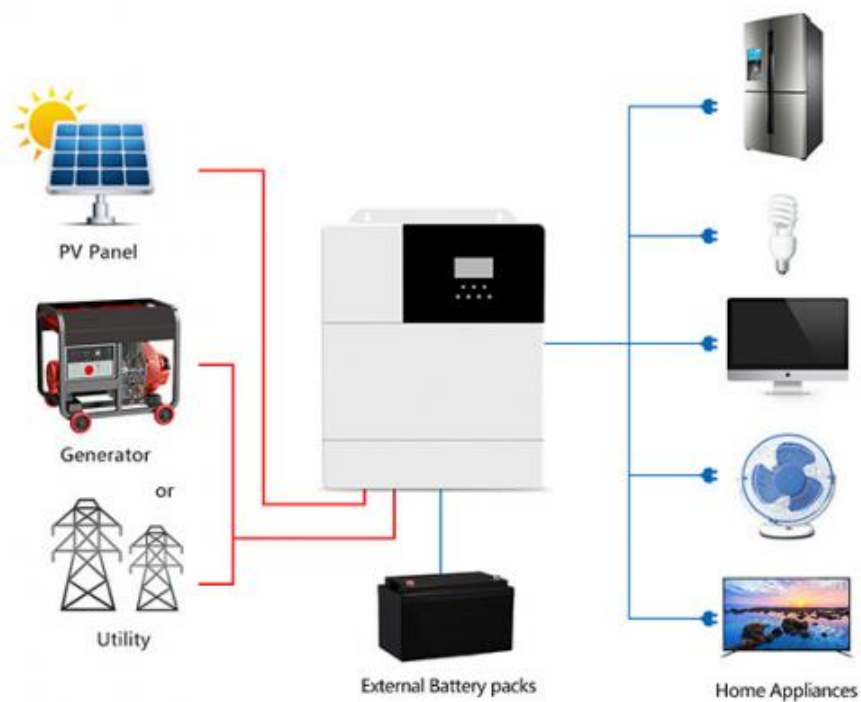
# WIFI Monitoring



View running status of product remotely



## Wiring Diagram



## Application Scenarios



Appropriate for multiple application scenarios



## Household Power System

It is used in household photovoltaic power system, satisfying the power demand when there is no electricity power or the power is unstable.

## Power Station System

Power Station System is specialized for remote area and power shortage area, whose power is up to several hundreds of kilowatts.



## RV or Ship System

Solar RV/ship system generates electricity by absorbing solar power, which not only saves the electricity bills of RV/ship, but also assists the operation of gasoline engine generator (diesel generator) of RV/ship.

## Off-grid Monitoring Power System

Solar off-grid monitoring power system is applied to remote mountainous area, no-electricity area and islands.





## Base Station System

It can be applied to telecommunication base station system, contributing in transferring information between mobile terminals and keeping steady communication signal in the wireless coverage area.

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## Packing & Delivery

### Shipping

- If the quantity of order is not very big, we could send them to you by express delivery, such as TNT, DHL, UPS OR EMS etc.
- If order is big, we will advise you use Air Shipping or Sea Shipping through your nominated forwarder agent. Our long-term cooperated agent also available.
- Freight collect if bulk shipment.



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## FAQ

Q1. Can we put different LiFePO4 battery pack in series by ourself?

R4: You can buy big voltage directly from us. We suggest do not out them in series by yourself, it will hurt the cycle life of the pack.

Q2. Does your battery pack include BMS? Can we use it for car? R5: Yes, our battery pack include BMS, you can use it for low speed car only or aux. power for standard car. Do not use it for standard car directly, that will need more complex design BMS for the pack.

Q3. What is your warranty? R6: We offer 2 years warranty for all our battery pack. we ensure at least 2000 cycle life for the

LiFePO4 battery pack, which means, after 2000@80% DOD, there will still around 60% capacity left. You can use it for at least 5 years for

normal 1 time charge and discharge everyday.

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