



# HS SERIES THREE-PHASE HYBRID INVERTER

## HS3150UH48L

15kW~15kW / BAT48V / 120Vac/240Vac



### Reliable performance

- Both the battery side and the load side have super strong load capacity, smooth voltage and current waveforms, and can drive inductive loads such as air conditioning, supporting unlimited load
- Independent intelligent load/generator interface, compatible with existing PV system access, can operate without batteries (PV+grid combined power supply).
- Even without a battery, it can be bypassed for output, important loads will not be powered off; The grid connected electricity sales function significantly improves energy utilization efficiency.
- Supports grid connected, off grid, and grid connected switching modes, with adaptive frequency and the ability to set charging and discharging strategies based on time of use electricity prices to achieve economical energy use.

### Economic benefits

- 2 MPPT channel, PV input can exceed 1.2-1.5 times the rated power, supporting simultaneous full power charging and load, maximizing economic benefits.

### Friendly Design

- High definition touch screen supports multiple languages; Removable dust cover suitable for harsh environments; Flexible setting of AC output voltage standards; Support battery activation function.

### Super Protection

- AICOT islanding protection, PV reverse connection alarm, external CT reverse connection alarm and open circuit detection, three-phase independent anti backflow, three-phase phase sequence detection, and zero ground detection.

## HS3150EH48L Parameters

MODEL	HS3150EH48L
Battery Voltage	48Vdc
Battery Type	Lead-acid, lithium batteries, gel batteries, etc
<b>Output</b>	
Rated Output Power	15000W
Parallel Function	N/A
Rated Output Voltage	220/380Vac ±4%, 230/400Vac ±4%
Rated Output Frequency	50/60Hz Intelligent adaptive/configurable
Output Waveform	Pure sine wave
Max Efficiency(Peak)	92%
Rated Current	21.7A
Transfer Time	10ms(Typical value)
<b>PV Input</b>	
Max PV Power	20000W
MPPT Voltage Range	90~800Vdc
Number of MPPT / Strings per MPPT	2/1+1
Max Input Voltage	800Vdc
Max Charging Current	260±5A
<b>Mains/ Generator Input</b>	
Max Charging Current	120±5A
AC Input Voltage Range	phase voltage: 170Vac~280Vac,line voltage: 305Vac~485Vac
Rated Frequency	50 / 60Hz
<b>Battery Input</b>	
Voltage Range	40~60Vdc
Max Charging Current	260±5A
<b>General Parameters</b>	
Dimension. W*D*H(mm)	478*140*625
Installation Method	Wall-mounted
Weight (kg)	24
Communication Mode	RS485/CAN Optional WIFI/4G
Protection function	Over/Under Voltage Protection, Over/Under Frequency Protection, AC Output Short Circuit Protection, AC Output Overload Protection, High/Low Temp Protection, PV Reverse Connection Alarm
<b>Operating Environment</b>	
Operating Ambient Temperature	-25°C~60°C(> 45°C Derating )
Storage Ambient Temperature	-20°C~60°C
Humidity	5%~95% Non-condensation
Altitude	4000m(> 2000m Derating)
Installation Environment	For indoor use only
<b>Certifications</b>	
Certification	CE , RoHS
Certifications standard	IEC/EN 61000-6-1/3 , IEC/EN 61000-3-11/12, EN 62920 , IEC 62109-1, IEC 62109-2, IEC 62321

Specifications are subject to change without advance notice.