

# HS SERIESSINGLE PHASE HYBRID INVERTER

## HS1150EH48L

15kW / BAT48V / 230Vac



### 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.

### Super Protection

AICOT island protection, anti backflow (internal/external), PV reverse connection alarm, External CT reverse connection alarm and open circuit detection functions.

### Economic benefits

2 MPPT channel, PV input can exceed 1-1.4 times the rated power, supporting simultaneous full power charging and load, maximizing economic benefits.

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.

### Friendly Design

High definition touch screen and LED screen are optional, supporting multiple languages; Removable dust cover suitable for harsh environments; Support battery activation function.

## HS1150EH48L Parameters

MODEL	HS1150EH48L	
Battery Voltage	48Vdc	
Battery Type	Lead-acid, lithium batteries, gel batteries, etc	
<b>Output</b>		
Rated Output Power	150 00VA/15000W	
Parallel Function	N/A	
Rated Output Voltage	220/230Vac	
Rated Output Frequency	50/60Hz (± 5), intelligent adaptive / setting	
Output Waveform	Pure sine wave	
Max Efficiency(Peak)	92%	
Rated Current	65.2A	
Transfer Time	10ms(Typical value)	
<b>PV Input</b>		
Max PV Power	20000W	
MPPT Voltage Range	370Vdc(90~500V)	
Max Input Voltage	Number of MPPT / Strings per MPPT	500Vdc
Max Charging Current	Mains/ Generator Input	260A
	Number of MPPT / Strings per MPPT	2/1+1
Max Charging Current	120A	
AC Input Voltage Range (UPS mode)	170~280Vac,±2%	
Rated Frequency	50 / 60Hz	
<b>Battery Input</b>		
Voltage Range	40~60V	
Max Charging Current	260A	
Dimension. W*D*H(mm)	425*140*605	
Installation Method	Wall-mounted	
Weight (kg)	21.5	
Communication Mode	Standard: RS485 / CAN, Optional 4G / WIFI	
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	0%~95%	
Altitude	<2000m	
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	