



HS SERIES SINGLE 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
Output	
Rated Output Power	15000VA/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)
PV Input	
Max PV Power	20000W
MPPT Voltage Range	370Vdc(90~500V)
Max Input Voltage	500Vdc
Max Charging Current	260A
Number of MPPT / Strings per MPPT	2/1+1
Mains/ Generator Input	
Max Charging Current	120A
AC Input Voltage Range (UPS mode)	170~280Vac,±2%
Rated Frequency	50 / 60Hz
Battery Input	
Voltage Range	40~60V
Max Charging Current	260A
General Parameters	
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
Operating Environment	
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
Certifications	
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.