

E1 SERIES SINGLE PHASE HYBRID INVERTER

SS-H6.2K1L-E1 ~ SS-H8.5K1L-E1

6.2kW~8.5kW / 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 1.7-2 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.

Parameters

MODEL	SS-H6.2K1L-E1	SS-H7.2K1L-E1	SS-H8.5K1L-E1
Battery Voltage	48Vdc		
Battery Type	Lead-Acid Battery/Lithium Battery/Gel Battery		
Output			
Rated Output Power	6200VA/6200W	7200VA/7200W	8500VA/8500W
Rated Output Voltage	220Vac/230Vac		
Rated Output Frequency	50Hz/60Hz ±5 Intelligent Adaptive/Setting		
Output Waveform	Pure sine wave		
Max Conversion Efficiency	92.0%		
Rated Current	26.9A	31.3A	36.9A
Transfer Time	10ms(Typical value)		
PV input			
Max PV Input Power	6200W+6200W	7200W+7200W	7200W+7200W
Max PV Input Current	18A+18A		
MPPT Voltage Range	90~500Vdc		
Max PV Input Voltage	500Vdc		
Max Charging Current	120A	140A	160A
Number of MPPT / Strings per MPPT	2/1+1		
Mains/ Generator Input			
Max Charging Current	60A	80A	100A
AC Input Voltage Range (UPS mode)	170~280Vac,±2%		
Frequency Range	50Hz/60Hz		
Battery Input			
Battery Voltage Range	40~60Vdc		
Max Charging Current	120A	140A	160A
General Parameters			
Dimension: W*D*H(mm)	330*133*450		
Installation Method	Wall-mounted		
Weight (kg)	10.7	10.9	10.9
Communication Mode	RS485/Dry contact control, Optional WIFI/4G		
Protection function	Grid Overvoltage/Undervoltage Protection, Grid Overfrequency/Underfrequency Protection, AC Output Short-Circuit / Overload Protection, High-Temp/Low-Temp Protection		
Operating Environment			
Operating Ambient Temperature	-25°C~60°C (> 45°C Derating)		
Storage Ambient Temperature	-20°C~60°C		
Humidity	0%~95% Non-condensation		
Altitude	< 2000m		
Installation Environment	For indoor use only		
Certifications			
Certification	CE , RoHS		
Certifications standard	IEC/EN 61000-6-1/3 、 EN62920、 CLASS B 、 IEC 62109-1、 IEC 62109-2、 IEC 62321		

Specifications are subject to change without advance notice.