

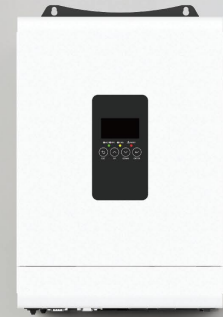
SSA-HL1K2~5K-P1EU

Single-Phase Hybrid Inverter

Residential Use

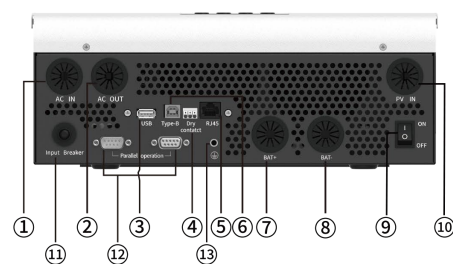
IP 20

2-Year Warranty



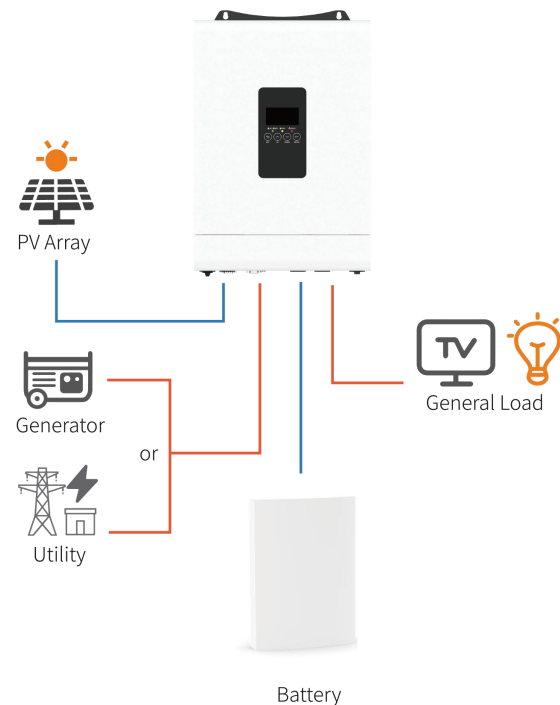
- Easy to install, smart setting through LCD
- A variety of intelligent working modes
- Remote monitoring via APP or Web
- Support BMS communication
- Support parallel operation up to 6 units
- Can work without battery

Port Description



- 1.AC IN
- 2.AC OUT
- 3.USB
- 4.Dry Contact
- 5.BMS
- 6.Type-B
- 7.BAT+
- 8.BAT-
- 9.ON/OFF
- 10.PV IN
- 11.Input Breaker
- 12.Parallel operation
- 13.PE

Product Application Diagram



TECHNICAL SPECIFICATION

Model	SSA-HL1K2-P1EU	SSA-HL3K6-P1EU	SSA-HL5K-P1EU
AC INPUT			
Rated Voltage	208/220/230/240 V a.c.,L+N+PE		
Rated Frequency	50 Hz / 60 Hz		
Current (Maximum Continuous)	10 A a.c.	20 A a.c.	40 A a.c.
INVERTER OUTPUT			
Rated Power	1.2 kW	3.6 kW	5 kW
Rated Voltage	208/220/230/240 V a.c.,L+N+PE		
Power Factor	1		
Wave Form	Pure Sine Wave		
Switch Time	<10 ms (Typical)		
Inverter Efficiency (Peak)	90.5% @12 V d.c.	>92%	>94%
Current (Maximum Continuous)	10 A a.c.	15.6 A a.c.	22.7 A a.c.
Maximum Output Overcurrent Protection	102% ~ 110% 1min / 110% ~ 130% 10s / 130% ~ 150% 3s / 150% 0.2s		
BATTERY			
Battery Type	Lithium / Lead-acid		
Rated Battery Voltage	12 V d.c.	24 V d.c.	48 V d.c.
Battery Voltage Range	10.8-15 V d.c.	21 ~ 30.2 V d.c.	42 ~ 60 V d.c.
Max. Charge Current	120 A d.c.	100 A d.c.	80 A d.c.
PV INPUT			
No. of MPPT Tracker / Strings	1 / 1		
Max. PV Array Power	1 kW	5 kW	6 kW
Max. DC Voltage	125 V d.c.	500 V d.c.	500 V d.c.
MPPT Voltage Range	20~100 V d.c.	40 ~ 450 V d.c.	120 ~ 430 V d.c.
Start-up Voltage	20 V d.c.	60 V d.c.	120 V d.c.
MPPT Maximum Charge Current	60 A d.c.	100 A d.c.	80 A d.c.
Max. Input Current	14 A d.c.	18 A d.c.	18 A d.c.
Isc PV (Absolute Maximum)	16 A d.c.	22 A d.c.	22 A d.c.
PROTECTION & FEATURE			
Parallel Function	No	No	Yes (up to 6pcs,optional)
Protection Degree	IP20, Indoor only		
Certifications	CE (IEC62109-1), EN61000 NRS		
Other Protection	Overload, Over temperature, Short circuit		
GENERAL PARAMETER			
Storage Temperature	-10°C ~ +60°C		
Operating Temperature	-10°C ~ +50°C		
Humidity	5% ~ 95% (Non-condensing)		
Operating Altitude	4000 m (>1000 m Derating)		
Noise	<50 dB		
Machine Dimensions (W*H*D)	330*228*90 mm	335*470*125 mm	335*470*125 mm
Machine Weight / N.W.	3.2 kg	8.1 kg	8.6 kg
DISPLAY AND COMMUNICATION			
Display	LCD Display (Display Running Mode, Loads / Input / Output etc.)		
Interface	RS485 / CAN / Dry Contact / WiFi (Optional)		