

SSA -HL3K~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

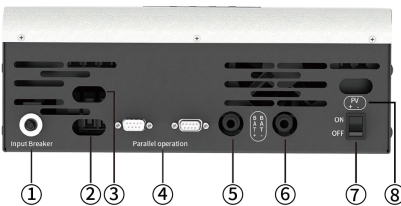


Support parallel
operation up to 6 units



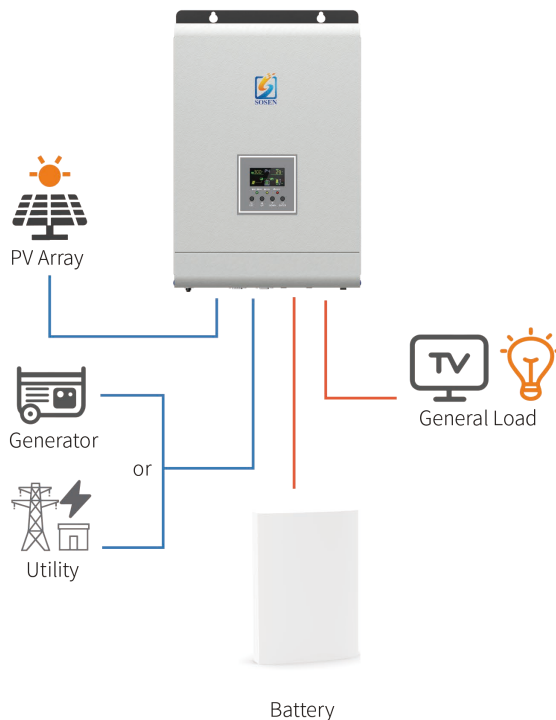
Can work without battery

Port Description



- 1.Input breaker
- 2.AC output
- 3.AC Input
- 4.Parallel operation
- 5.BAT+
- 6.BAT-
- 7.ON/OFF switch
- 8.PV+/PV-
- 9.USB
- 10.Type-B
- 11.Dry-connect
- 12.RJ45

Product Application Diagram



TECHNICAL SPECIFICATION

Model	SSA -HL3K-P1EU	SSA -HL5K-P1EU
AC INPUT		
Voltage (nominal)	220/230 V a.c.	
Frequency (nominal)	50 / 60 Hz	
Current(maximum continuous)	40 A a.c.	
INVERTER OUTPUT		
Rated Power	3 kVA	5 kVA
Voltage (nominal or range)	230 V a.c. (± 5%)	
Power Factor Range	1.0 leading ~ 1.0 lagging	
Wave Form	Pure Sine Wave	
Switch Time	<10ms,15ms Max.	
Inverter Efficiency(Peak)	93%	
Current (maximum continuous)	13.6 A a.c.	22.7 A a.c.
Maximum Output Overcurrent Protection	20 A (200 ms)	34 A (200 ms)
BATTERY		
Battery Type	Lithium / Lead-acid	
Nominal Battery Voltage	24 V d.c.	48 V d.c.
Voltage (nominal or range)	21~30.2 V d.c.	42~56.4 V d.c.
Max. Charge Current	120 A d.c.	80 A d.c.
Max. Discharge Current	125 A d.c.	104 A d.c.
Reverse Connect Protection	Yes	
PV INPUT		
No. of MPPT Tracker/Strings	1/1	
Max. PV Array Power	4 kW	6 kW
Max. Dc Voltage	500 V	
MPPT Voltage Range	120 ~450 V	
Start-up Voltage	120 V	
MPPT Maximum charge current	100 A	
Max. Input Current	12 A d.c.	18 A d.c.
Isc PV (Absolute Maximum)	18 A d.c.	27 A d.c.
PROTECTION & FEATURE		
Insulation Monitoring	Yes	
Residual Current Monitoring	Yes	
Parallel Function	No	Yes (up to 6pcs,optional)
Protection Degree	IP20, Indoor only	
Certifications	CE(IEC62109-1), EN61000 NRS	
Other Protection	Overload, Over temperature, Short circuit protection, Anti-islanding	
GENERAL PARAMETER		
Storage Temperature	-10°C ~ +60°C	
Operating Temperature	-10°C ~ +50°C	
Humidity	20%~95% (Non-condensing)	
Altitude	Not over 1000m,Derating over 1000m, Max. 4000m.Refer to IEC62040	
Noise	<50 dB	
Dimensions (L*W*H)	335*125*470 mm	
Shipping Dimensions (L*W*H)	365*185*515 mm	
Machine Weight/ N.W.	8.1 kg	8.6 kg
Shipping Weight/ G.W.	9.3 kg	9.8 kg
DISPLAY AND COMMUNICATION		
Display	LCD display (Display Running Mode,Loads / input / Output etc.)	
Interface	RS485 / CAN / Dry Contact / WiFi (Optional)	