

SSE-HL3K~8K-P1EU

Single-Phase Hybrid Inverter

Residential Use

IP 65

10-Year Warranty



Easy to install



A variety of intelligent working modes



Remote monitoring via APP or Web



Support BMS communication

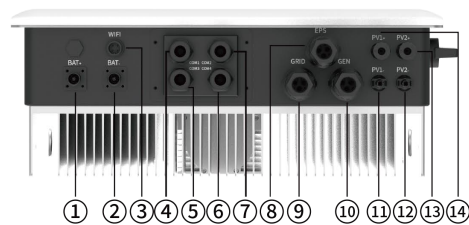


IP65, fanless design, long lifespan

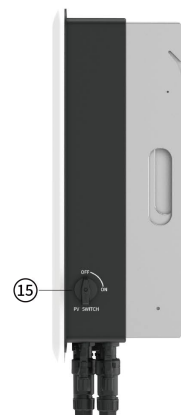


With UPS function, switch time < 10ms

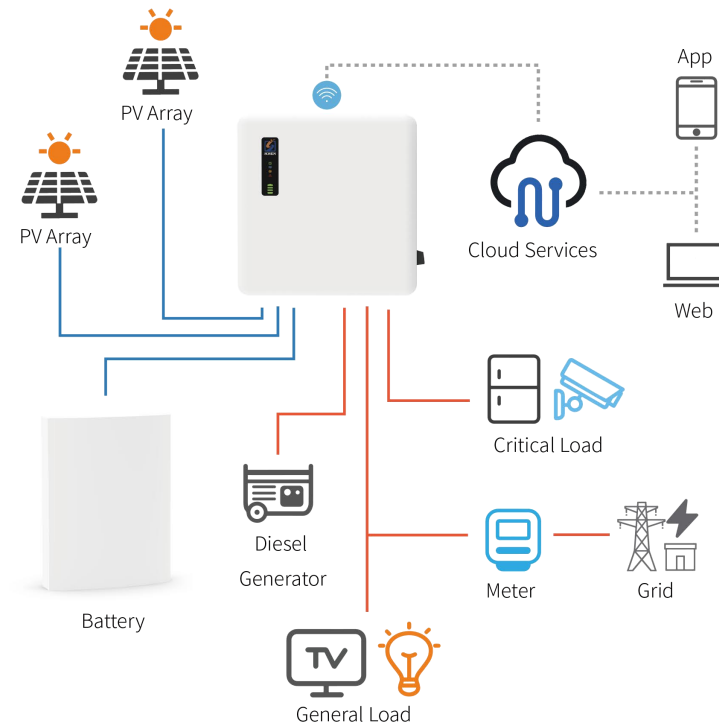
Port Description



- 1. BAT+
- 2. BAT-
- 3. WIFI
- 4. COM1
- 5. COM3
- 6. COM4
- 7. COM2
- 8. EPS
- 9. GRID
- 10. GEN
- 11. PV1-
- 12. PV2-
- 13. PV2+
- 14. PV1+
- 15. PV SWITCH



Product Application Diagram



TECHNICAL SPECIFICATION

Model	SSE-HL3K-P1EU	SSE-HL3K6-P1EU	SSE-HL4K-P1EU	SSE-HL4K6-P1EU	SSE-HL5K-P1EU	SSE-HL6K-P1EU	SSE-HL7K-P1EU	SSE-HL8K-P1EU
INVERTER INPUT / OUTPUT (GRID)								
Rated Power	3 kW	3.6 kW	4 kW	4.6 kW ^[1]	5 kW ^[2]	6 kW	7 kW	8 kW
Rated Voltage	220 / 230 / 240 V a.c., L+N+PE							
Rated Frequency	50 Hz / 60 Hz							
Power Factor Range	0.8 leading ~ 0.8 lagging							
Switch Time	<10 ms							
Current (Maximum Continuous)	13 A a.c.	15.6 A a.c.	17.4 A a.c.	20.0 A a.c.	21.7 A a.c.	26.1 A a.c.	30.4 A a.c.	34.7 A a.c.
Max. Output Overcurrent Protection	250 V a.c. / 63 A a.c.							
BATTERY								
Battery Type	Lithium / Lead-acid							
Battery Voltage Range	45 ~ 58 V d.c.							
Rated Battery Voltage	51.2 V d.c.							
Max. Charge Current	78 A d.c.	91 A d.c.	104 A d.c.	117 A d.c.	130 A d.c.	143 A d.c.	156 A d.c.	195 A d.c.
Max. Discharge Current	78 A d.c.	91 A d.c.	104 A d.c.	117 A d.c.	130 A d.c.	143 A d.c.	156 A d.c.	195 A d.c.
Reverse Connect Protection	Yes							
PV INPUT								
No. of MPPT Tracker / Strings	2 / 1+1							
Max. PV Array Power	4.5 kW	5.4 kW	6.0 kW	6.9 kW	7.5 kW	9.0 kW	10.5 kW	12.0 kW
Max. DC Voltage	550 V d.c.							
MPPT Voltage Range	120 ~ 500 V d.c.							
Start-up Voltage	120 V d.c.							
Max. Input Current	16 + 16 A d.c. (8 kW : 18 + 18 A d.c.)							
Isc PV (Absolute Maximum)	24 + 24 A d.c.							
AC OUTPUT (EPS)								
EPS Rated Output Voltage	220 / 230 / 240 V a.c., L+N+PE							
EPS Rated Output Frequency	50 Hz / 60 Hz							
EPS Rated Output Active Power	3 kW	3.6 kW	4 kW	4.6 kW	5 kW	6 kW	7 kW	8 kW
EPS Rated Output Apparent Power	3 kVA	3.6 kVA	4 kVA	4.6 kVA	5 kVA	6 kVA	7 kVA	8 kVA
EPS Rated Output Current	13 A a.c.	15.6 A a.c.	17.4 A a.c.	20 A a.c.	21.7 A a.c.	26.1 A a.c.	30.4 A a.c.	34.7 A a.c.
Overload Capacity (Off Grid)	120% 60s / 150% 30s / 200% 10s							
EFFICIENCY								
MPPT Efficiency	99.90%							
Euro-efficiency	97.00%							
Max. Efficiency	97.80%							
PROTECTION & FEATURE								
Insulation Monitoring	Yes							
Residual Current Monitoring	Yes							
Parallel Function	Yes							
Protection Degree	IP65							
Certifications	CEI0-21, EN 50549-1, VDE-AR-N 4105, UNE 217002, NTSTYPEA, G99, AS/NZS 4777.2							
Other Protection	Overload, Over temperature, Shortcircuit, Active anti-islanding method							
GENERAL PARAMETER								
Storage Temperature	-25°C ~ +60°C							
Operating Temperature	-25°C ~ +60°C (Linederating to 80% when exceed +45°C ~ +60°C)							
Humidity	0-100% (Non-condensing)							
Operating Altitude	2000 m (>2000 m Derating)							
Noise	<35 dB							
Machine Dimensions (W*H*D)	506*556*206 mm							
Machine Weight / N.W.	25.6 kg							27 kg
DISPLAY & COMMUNICATION								
Display	LED + APP							
Interface	CAN / RS485 / Bluetooth / WiFi / 4G / DRM (Optional)							

• The AC voltage and frequency range can differ according to the grid standards of each country.
 • Please note that all specifications are subject to change without prior notice.
 [1]: The grid feed in power for VDE-AR-N 4105 is limited 4600VA & 20A.
 [2]: The grid feed in power for AS/NZS 4777.2 is limited 4999VA & 21.7A.