

SSE-HH3K~6K-P1-EU

Single-Phase Hybrid Inverter

Residential Use

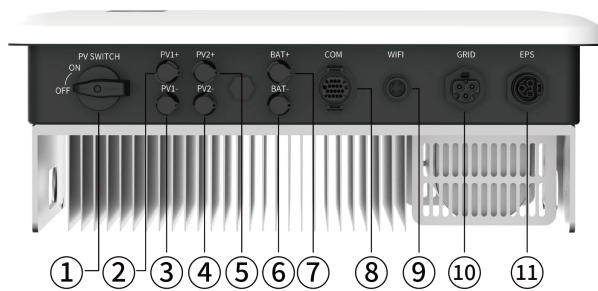
IP 65

10-Year Warranty



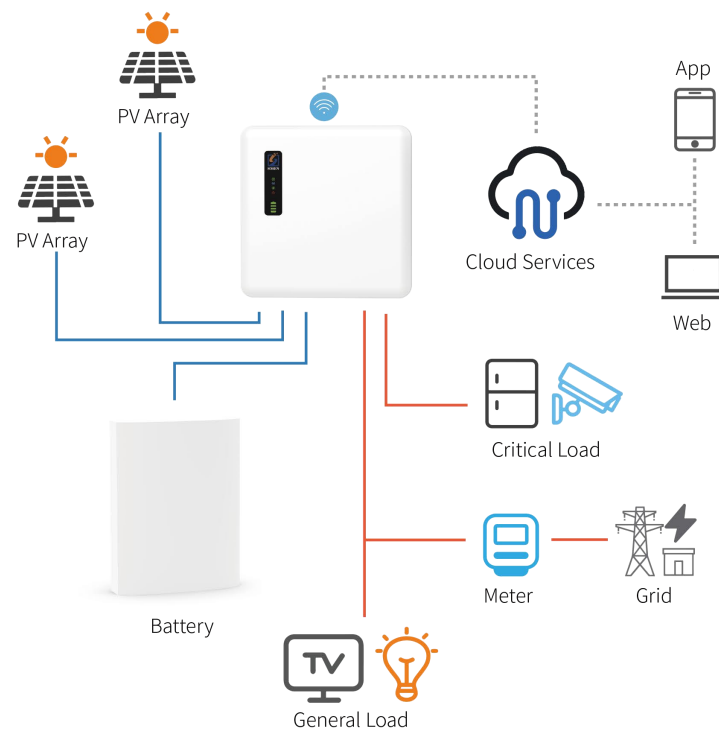
- Easy to install
- A variety of intelligent working modes
- Remote monitoring via APP or Web
- Support wide range battery voltage from 85 to 460 V
- IP65, fanless design, long lifespan
- With UPS function, switch time <20ms

Port Description



- | | |
|-------------|---------|
| 1.PV SWITCH | 7.BAT+ |
| 2.PV1+ | 8.COM |
| 3.PV1- | 9.WIFI |
| 4.PV2- | 10.GRID |
| 5.PV2+ | 11.EPS |
| 6.BAT- | |

Product Application Diagram



TECHNICAL SPECIFICATION

Model	SSE-HH3K-P1-EU	SSE-HH3K7-P1-EU	SSE-HH4K6-P1-EU	SSE-HH5K-P1-EU	SSE-HH6K-P1-EU
INVERTER INPUT / OUTPUT (GRID)					
Rated Power	3 kW + 3 kW (bypass)	3.68 kW + 3.68 kW (bypass)	4.6 kW + 4.6 kW (bypass)	5 kW + 5 kW (bypass)	6 kW + 6 kW (bypass)
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	<20 ms				
Current (Maximum Continuous)	13 A a.c.	16 A a.c.	20 A a.c.	21.7 A a.c.	26.1 A a.c.
Max. Output Overcurrent Protection	250 V a.c. / 60 A a.c.				
BATTERY					
Battery Type	Lithium				
Battery Voltage Range	85 ~ 460 V d.c.				
Rated Battery Voltage	300 V d.c.				
Max. Charge Current	35 A d.c.	35 A d.c.	35 A d.c.	35 A d.c.	35 A d.c.
Max. Discharge Current	35 A d.c.	35 A d.c.	35 A d.c.	35 A d.c.	35 A d.c.
Reverse Connect Protection	Yes				
PV INPUT					
No. of MPPT Tracker / Strings	2 / 1+1				
Max. PV Array Power	3 kW / 3 kW	3.68 kW / 3.68 kW	4.14 kW / 4.14 kW	4.5 kW / 4.5 kW	4.5 kW / 4.5 kW
Max. DC Voltage	600 V d.c.				
MPPT Voltage Range	80 ~ 550 V d.c.				
Start-up Voltage	120 V d.c.				
Max. Input Current	16 + 16 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	3.68 kW	4.6 kW	5 kW	6 kW
EPS Rated Output Apparent Power	3 kVA	3.68 kVA	4.6 kVA	5 kVA	6 kVA
EPS Rated Output Current	13 A a.c.	16 A a.c.	20 A a.c.	21.7 A a.c.	26.1 A a.c.
Overload Capacity (Off Grid)	110% 30s / 120% 10s / 150% 2s				
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	G99, CEI 0-21, EN 50549-1, VDE-AR-N 4105, UNE 217002, NTS TYPEA, AS/NZS 4777.2 and so on				
Other Protection	Overload, Over temperature, Short circuit, Active anti-islanding				
GENERAL PARAMETER					
Storage Temperature	-25°C ~ +60°C				
Operating Temperature	-25°C ~ +60°C (Linely derating to 70% when exceed +45°C ~ +60°C)				
Humidity	0-100% (Non-condensing)				
Operating Altitude	<2000 m				
Noise	<25 dB				
Machine Dimensions (W*H*D)	480*480*180 mm				
Machine Weight / N.W.	20 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.