

SSE-HL8K~15K-P2US

Split-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

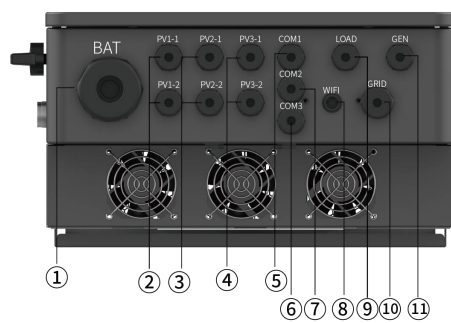


IP65, long lifespan

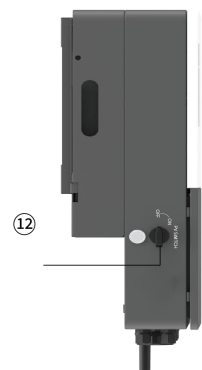


Integrated 3 MPPTs

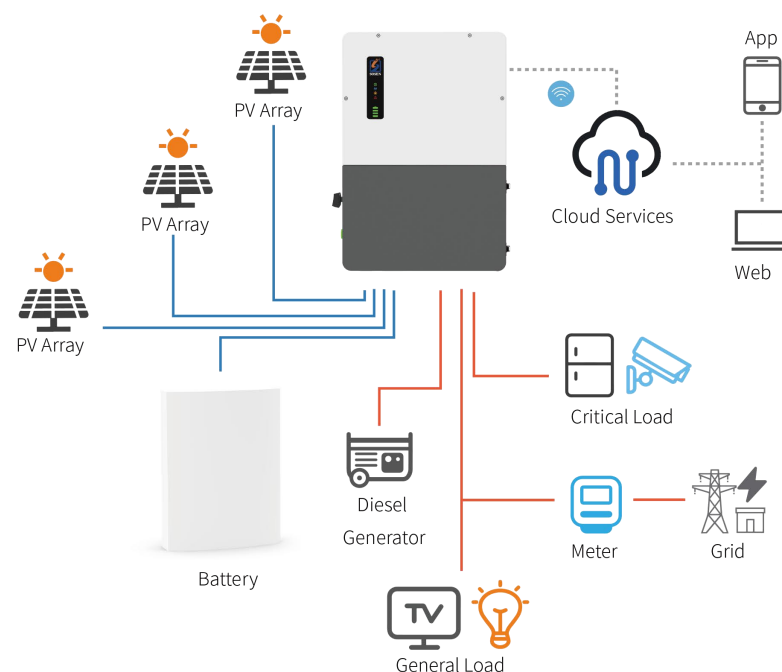
Port Description



- 1. BAT
- 2. PV1
- 3. PV2
- 4. PV3
- 5. COM1
- 6. COM3
- 7. COM2
- 8. WIFI
- 9. LOAD
- 10. GRID
- 11. GEN
- 12. PV SWITCH



Product Application Diagram



TECHNICAL SPECIFICATION

Model	SSE-HL8K-P2US	SSE-HL10K-P2US	SSE-HL12K-P2US	SSE-HL15K-P2US
INVERTER INPUT / OUTPUT (GRID)				
Rated Power	8 kW	10 kW	12 kW	15 kW
Rated Voltage	120 V a.c. / 240 V a.c. (Split Phase) , 208 V a.c. (2/3Phase)			
Rated Frequency	50 Hz / 60 Hz			
Power Factor Range	0.8 leading ~ 0.8 lagging			
Switch Time	<10 ms			
Current (Maximum Continuous)	33.4 A a.c.	41.7 A a.c.	50 A a.c.	62.5 A a.c.
Max. Output Overcurrent Protection	250 V a.c. / 125 A a.c.			
BATTERY				
Battery Type	Lithium / Lead-acid			
Battery Voltage Range	40 ~ 60 V d.c.			
Rated Battery Voltage	51.2 V d.c.			
Max. Charge Current	167 A d.c.	210 A d.c.	250 A d.c.	275 A d.c.
Max. Discharge Current	167 A d.c.	210 A d.c.	250 A d.c.	275 A d.c.
Reverse Connect Protection	Yes			
PV INPUT				
No. of MPPT Tracker / Strings	2 / 2+2	3 / 2+2+2	3 / 2+2+2	3 / 2+2+2
Max. PV Array Power	12 kW	15 kW	18 kW	22.5 kW
Max. DC Voltage	525 V d.c.			
MPPT Voltage Range	120 ~ 500 V d.c.			
Start-up Voltage	100 V d.c.			
Max. Input Current	26 +26 +26 A d.c.			
Isc PV (Absolute Maximum)	39 A d.c.			
AC OUTPUT (EPS)				
EPS Rated Output Voltage	120 V a.c. / 240 V a.c. (Split Phase) , 208 V a.c. (2/3Phase)			
EPS Rated Output Frequency	50 Hz / 60 Hz			
EPS Rated Output Active Power	8 kW	10 kW	12 kW	15 kW
EPS Rated Output Apparent Power	8 kVA	10 kVA	12 kVA	15 kVA
EPS Rated Output Current	33.4 A a.c.	41.7 A a.c.	50 A a.c.	62.5 A a.c.
Overload Capacity (Off Grid)	200% 10s			
EFFICIENCY				
MPPT Efficiency	99.90%			
California-efficiency	96.50%			
Max. Efficiency	97.50%			
PROTECTION & FEATURE				
Insulation Monitoring	Yes			
Residual Current Monitoring	Yes			
Parallel Function	Yes			
Protection Degree	IP65			
Certifications	IEEE1547, CA RULE21, HECO SRD V2.0, UI1741, UL1741 SA/SB, CSA C22.2, UL1699B.			
Other Protection	Overload, Over temperature, Short circuit, Anti-islanding			
GENERAL PARAMETER				
Storage Temperature	-25°C ~ +60°C (-13°F ~ +140°F)			
Operating Temperature	- 25°C ~ +60°C (-13°F ~ +140°F), > +45°C (+113°F) Derating to 60%			
Humidity	0 ~95% (Non-condensing)			
Operating Altitude	4000 m (> 2000 m Derating)			
Noise	<45 dB			
Machine Dimensions (W*H*D)	450*700*240 mm (17.72*27.56*9.45 in)			
Machine Weight / N.W.	45 kg (99.21 lbs)			
DISPLAY & COMMUNICATION				
Display	LED + APP			
Interface	RS485 / WiFi / CAN (Optional: Bluetooth / LAN / 4G / Meter)			

- 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.