



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

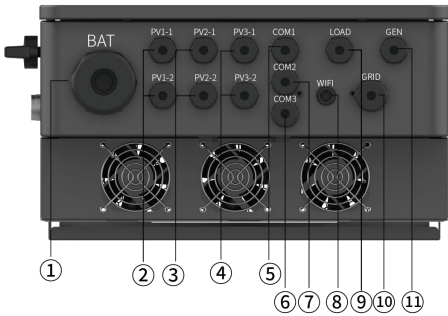


IP65, fanless design, long lifespan



Integrated 3 MPPTs

Port Description



- 1.BAT

2.PV1

3.PV2

4.PV3

5.COM1

6.COM3

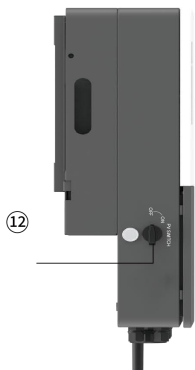
7.COM2

8.WIFI

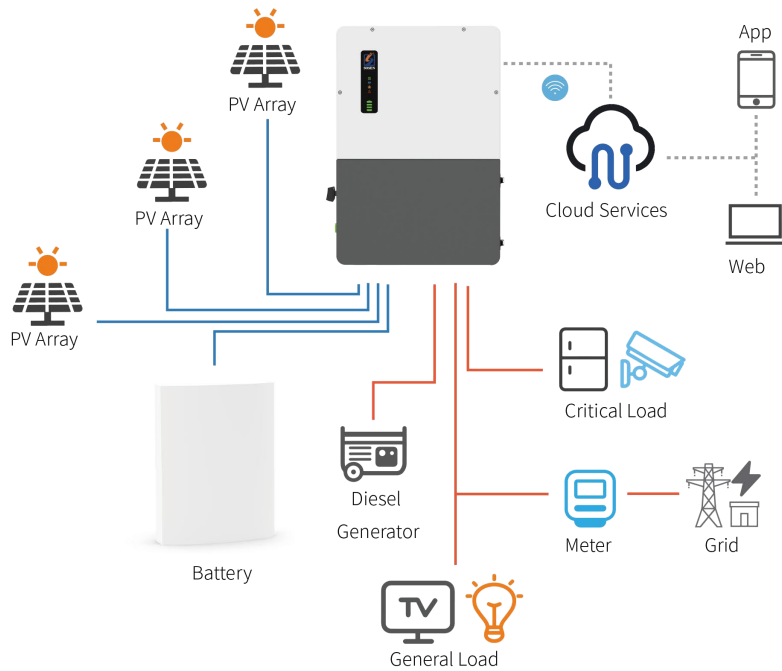
9.LOAD
- 10.GRID

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
Voltage (Nominal or Range)	120 V a.c. / 240 V a.c. (Split Phase) , 208 V a.c. (2/3Phase)			
Frequency (Nominal or Range)	50 / 60 Hz(±5Hz)			
Power Factor Range	0.8 leading ~ 0.8 lagging			
Wave Form	Pure Sine Wave			
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 / 100 A a.c			
BATTERY				
Battery Type	Lithium / Lead-acid			
Battery Voltage Range	40 ~ 60 V d.c.			
Nominal Battery Voltage	48 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			
AC OUTPUT (EPS)				
EPS Rated Output Voltage	120 / 240 V a.c. (Split Phase) , 208 V a.c. (2/3Phase)			
EPS Rated Output Frequency	50 / 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.
EPS Output Power Factor	0.8 leading ~ 0.8 lagging			
Overload Capacity	200% 10s			
EPS Output Inrush Current	200A a.c.			
EPS Max. Output Fault Current	200A a.c.			
EFFICIENCY				
MPPT Efficiency	99.50%			
California-efficiency	96.50%			
Max. Efficiency	97.50%			
PROTECTION & FEATURE				
Insulation Monitoring	Yes			
Residual Current Monitoring	Yes			
Parallel Function	Yes			
Protection Degree	IP 65			
Certifications	CE、RCM、CQC			
Other Protection	Overload, Over temperature, Short circuit protection, Anti-islanding			
GENERAL PARAMETER				
Storage Temperature	-25°C~+60°C			
Operating Temperature	- 25°C ~ 60°C (Linely derating to 60% when exceed +45 °C ~ +60 °C)			
Humidity	0 ~95% (Non-condensing)			
Altitude	4,000m (>2,000 m Derating)			
Noise	<45 dB			
Dimensions (L*W*H)	450*240*700 mm			
Shipping Dimensions (L*W*H)	500*350*800 mm			
Machine Weight/ N.W.	45 kg			
DISPLAY& COMMUNICATION				
Display	LED/APP			
Interface	RS485/WiFi/CAN (Optional: Bluetooth/LAN/4G/Meter)			