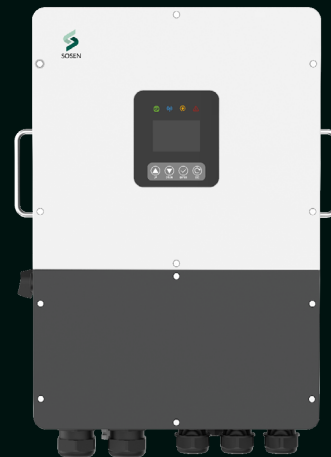


SSE-HL8K-24K-P3EU

Three phase hybrid inverter



Model	HL8K-P3EU	HL10K-P3EU	HL12K-P3EU	HL15K-P3EU	HL18K-P3EU	HL20K-P3EU	HL24K-P3EU
INVERTER INPUT / OUTPUT (GRID)							
Rated Power (input/output)	8 / 8 kW	10 / 10 kW	12 / 12 kW	15 / 15 kW	18 / 18 kW	20 / 20 kW	24 / 24 kW
Rated Voltage	380 / 400 V a.c., 3W+N+PE						
Frequency	50 /60 Hz						
Power Factor Range	0.8 leading ~ 0.8 lagging						
Switch time	<20 ms						
Current (Maximum Continuous)	24/12 Aac	29/12 Aac	35/17 Aac	43/22 Aac	52/26 Aac	58/29 Aac	60/35 Aac
Max. Output Overcurrent Protection	400 Va.c/100 Aac						
BATTERY							
Battery Type	Lithium/Lead-acid						
Battery Voltage Range	40~60 V						
Nominal Battery Voltage	51.2 V						
Max. Charge Current	180 Adc	220 Adc	250 Adc	315 Adc	375Adc	415 Adc	500 Adc
Max. Discharge Current	180 Aac	220 Aac	250 Aac	315 Aac	375 Aac	415 Aac	500 Aac
PV INPUT							
No.of MPPT Tracker/Strings	2/2+2						
Max. PV Array Power	16kW	20kW	24kW	30kW	36kW	40kW	48kW
Max.DC Voltage	1000 Vdc						
MPPT Voltage Range	150 ~950 Vdc						
Start-up Voltage	180 Vdc						
Max.Input Current	4*20 Adc						
Isc PV (Absolute Maximum)	4*30 Adc						
AC OUTPUT (EPS) / GENERATOR INPUT (GEN)							
Input / Output Voltage	380 / 400 Vac,3W+N+PE						
Input / Output Frequency	50/60Hz						
Input / Output Active Power	8 kW	10 kW	12 kW	15 kW	18 kW	20 kW	24 kW
Input / Output Apparent Power	8 kVa	10 kVa	12 kVa	15 kVa	18 kVa	20 kVa	24 kVa
Output/Input Current	12Aac	15.6 Aac	17.4 Aac	22 Aac	26 Aac	29 Aac	35 Aac
Overload Capacity (Off-Grid)	200% 10s						
EFFICIENCY							
MPPT Efficiency	99.90%						
Euro-efficiency	97.00%			97.00%			
Max. Efficiency	97.50%			98.00%			

PROTECTION AND FEATURE		
Insulation Monitoring	Yes	
Residual Current Monitoring	Yes	
Parallel Function	Yes	
Protection Degree	IP66	
Planned Certificates and Permits	EN IEC 62477-1,EN IEC 62109-1/2,EN IEC 61000-6-2,EN IEC 61000-6-4,EN50549-1/10	
Other Protections	Output over voltage, Output over current, Short circuit, Surge, Temperature, Anti-Islandmg	
GENERAL PARAMETER		
Storage Temperature	25°C to +60°C	
Operating Ambient Temperature	-25°C to +60°(linely derating to 60% when exceed +45°Cto+60°C)	
Humidity	0-95% (non-condensing)	
Operating Altitude	4000 m(>2000 Derating)	
Noise	<40 dB	<40 dB
Dimensions (L*W*H)	448x660x265 mm	
Machine Weight/ N.w.	35kg	40kg
DISPLAY & COMMUNICATION		
Display	LCD + App	
Interface	RS485 / WiFi / CAN / DRM (Optional:Bluetooth / LAN / 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.

Extreme climate adaptability

Full-load operation, 45°C without derating.

Wide grid adaptability

124V-286V phase voltage input, 50/60Hz auto-adaptation, built-in SPD

Flexible system expansion

Up to 8 units parallel, supports AC coupling for retrofit.

High battery compatibility

Max. 500A charge/discharge, supports three battery inputs

High surge & unbalanced output

2× load surge for 10s, 150% three-phase unbalanced output

SiC + Full aluminum + IP66

High efficiency, lightweight, IP66 protection

PRODUCT APPLICATION DIAGRAM

