

SSE-HH30K-60K-P3EU

Three phase hybrid inverter



Model	SSE-HH30K-P3EU	SSE-HH40K-P3EU	SSE-HH50K-P3EU	SSE-HH60K-P3EU
INVERTER INPUT / OUTPUT (GRID)				
Rated Power (input/output)	138 / 30 kW	138 / 40 kW	138 / 50 kW	138 / 60 kW
Rated Voltage	380 / 400 Vac, 3W+N+PE			
Frequency	50 /60 Hz			
Power Factor Range	0.8 leading ~ 0.8 lagging			
Wave Form	Sine Wave			
Switch Time	<20 ms			
Current (Maximum Continuous)	45 Aac	58 Aac	72 Aac	87 Aac
Max. Output Overcurrent Protection	91 Aac	123 Aac	153 Aac	185 Aac
BATTERY				
Battery Type	Lithium/Lead-acid			
Battery Voltage Range	135~850 Vdc			
Nominal Battery Voltage	150 V	200 V	250 V	300 V
Max. Charge Current	2x100 Aac			
Max. Discharge Current	2x100 Aac			
Reverse Connect Protection	Yes			
PV INPUT				
No.of MPPT Tracker/Strings	4/2+2+2+2			
Max. PV Array Power	60 KW	80 KW	100 KW	100 KW
Max.DC Voltage	1000 V			
MPPT Voltage Range	150 ~ 850 Vdc			
Start-up Voltage	200 Vdc			
Max.Input Current	8x20 Aac			
Isc PV (Absolute Maximum)	8x30 Aac			
AC OUTPUT (EPS) / GENERATOR INPUT				
Input / Output Voltage	400 Va.c./380 Vac			
Input / Output Frequency	50/60Hz			
Input / Output Active Power	30 KW	40 KW	50 KW	60 KW
Input / Output Apparent Power	33 kVA	44 kVA	55 kVA	66 kVA
Input / Output Current	43 Aac	58 Aac	72 Aac	87 Aac
EPS Output Power Factor	0.8 leading ~ 0.8 lagging			
Overload Capacity	110% 30s/ 120% 10s/ 150% 0.2s			
EPS Output Inrush Current	200 Aac			
EPS Max.Output Fault Current	200 Aac			

EFFICIENCY	
MPPT Efficiency	99.90%
Euro-efficiency	97.20%
Max.Efficiency	98.50%
PROTECTION AND FEATURE	
Insulation Monitoring	Yes
Residual Current Monitoring	Yes
Parallel Function	Yes, up to six
Protection Degree	IP65
Planned Certificates and Permits	CEIO-21, EN 50549-1, VDE-AR-N 4105, UNE 217002, NTSTYPEA, G99, AS/NZS 4777.2, CE LVD, CE EMC
Other Protections	Ground Fault Current Monitoring, Earth Fault Detection, Residual Current (RCD) Detection, Overvoltage Ac type III and Dc type II
GENERAL PARAMETER	
Storage Temperature	- 40°C-70°C
Operating Ambient Temperature	- 25°C + 60°C (>45°C Derating)
Humidity	0% - 95% (non-condensing)
Altitude	4,000 m (>2,000 Derating)
Noise	<65 dB
Dimensions (L*W*H)	544x880x278mm
Shipping Dimensions (L*W*H)	680x1050x400mm
Machine Weight/ N.w.	88 kg
DISPLAY & COMMUNICATION	
Display	LED+APP
Interface	RS485/ WiFi/ 4G (Opt) / Bluetooth (Opt) / CAN/ DRM/ LAN (Opt)

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.

Easy access

Accessible through WiFi and Web

Safe

360 degree of security from hardware to software

Flexibility

Support single-phase 100% unbalanced load operation under off-grid, adapt to a variety of load scenarios.

Diverse interface

Interfaces including lithium battery BMS communication & WiFi cards

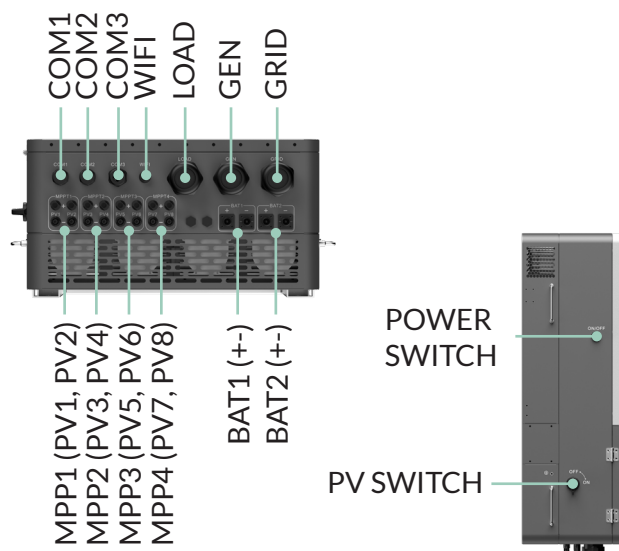
MPPT

4 MPPT design, 8 string inputs, MPPT efficiency up to 99,9%

Diverse modes

A variety of application scenario modes to meet the applications of different battery packs, photovoltaic panels & loads

PRODUCT CHARACTERISTICS



PRODUCT APPLICATION DIAGRAM

