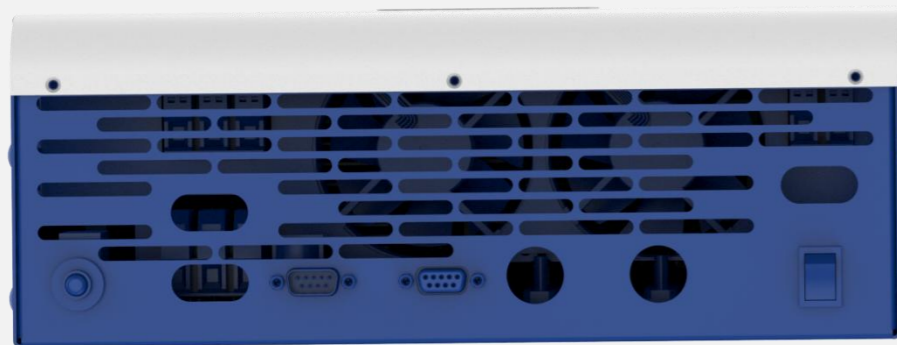


# Off-grid Single Phase Hybrid Inverter

## SSA-HL3K/5K-P1EU



Model	SSA-HL3K-P1EU	SSA-HL5K-P1EU
Product Type	Off-grid Single Phase Hybrid Inverter	
<b>Battery</b>		
Battery Type	lithium /Lead-acid	
Voltage (nominal or range)	21-30.2 d.c.V	42-56.4 d.c.V
Nominal battery voltage	24 d.c.V	48 d.c.V
Discharge Current (maximum continuous)	125 d.c.A	104 d.c.A
Charge Current (maximum continuous)	120 d.c.A	80 d.c.A
<b>PV Input</b>		
PV Charging Mode	MPPT	MPPT
MAX.PV Input Power	4000W	5500W
MPPT Tracking Range	120-500Vd.c.	120-500Vd.c.
Vmax PV (absolute maximum)	500 d.c.V	500 d.c.V
PV input operating voltage range	120-430 d.c.V	120-430 d.c.V
Full power MPPT voltage range	120-430 d.c.V	120-430 d.c.V
Maximum operating PV input current	12 d.c.A	18 d.c.A
Isc PV (absolute maximum)	18 d.c.A	27 d.c.A
Max. inverter backfeed current to the array	/	/
<b>AC Input</b>		
Voltage (nominal or range)	220/230 a.c.V	220/230 a.c.V
Current (maximum continuous)	40 a.c.A	40 a.c.A
Current (inrush)	/	/
Frequency (nominal or range)	50/60 Hz	50/60 Hz
<b>AC Output</b>		
Voltage (nominal or range)	220/230 a.c.V	220/230 a.c.V
Current(maximum continuous)	13.6 a.c.A	22.7 a.c.A
Current(inrush)	/	/
Frequency (nominal or range)	50/60 Hz	50/60 Hz
Power(maximum continuous)	3000 VA	5000 VA
Power factor range	1.0 leading to 1.0 lagging	1.0 leading to 1.0 lagging
Maximum output fault current	/	/
Maximum output overcurrent protection	20A (200ms)	34A (200ms)
<b>General Parameter</b>		
Operating Temperature	-10 ~ +50°C	
Humidity	20%-95%(Non-condensing)	
Storage Temperature	-10~60°C	
Altitude	Not Over 1000m, Derating over 1000m, Max 4000m. Refer to IEC62040	
Noise	≤50dBA	
Size	472.5*313*116mm	
Weight	8.8kg	
<b>Display and communication</b>		
LCD Display	Display Running Mode/Loads/Input/Output etc.	
RS232 Communication	Baud Rate2400	
Port Parallel Connect	Lithium Battery BMS Communication Card. Dry Contact	
Interface Operating	Without Parallel Connect	With Parallel