



SSA - HL3K/5K - P1EU

Off-grid Single Phase Solar Inverter

Residential Use

2 Years Warranty

IP 20



Easy to install, smart setting through LCD



A variety of intelligent working modes



Remote monitoring via APP or Web



Support BMS communication

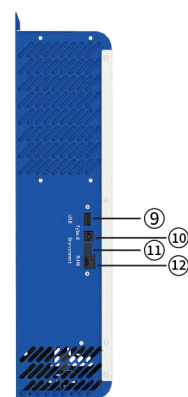


Support parallel operation up to 6 units



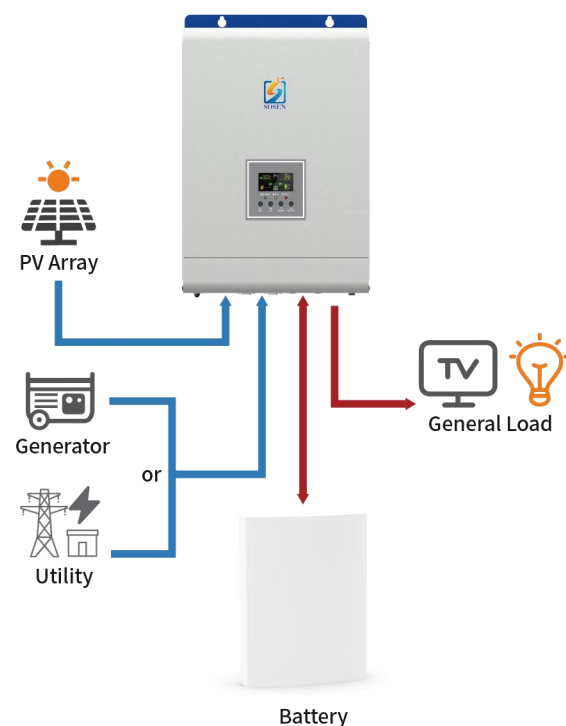
Can provide power to the load without battery

Product Characteristics



1. Input Breaker
2. AC output
3. AC Input
4. Parallel Operation
5. BAT+
6. BAT-
7. ON/OFF switch
8. PV+/PV-
9. USB
10. Type-b
11. Dry-connect
12. RJ45

Product Application Diagram



TECHNICAL SPECIFICATION		
Model	SSA -HL3K-P1EU	SSA -HL5K-P1EU
AC Input		
Voltage (nominal)	220/230 V.a.c	220/230 V.a.c
Current(maximum continuous)	40 A.a.c	40 A.a.c
Frequency (nominal)	50/60 Hz	50/60 Hz
INVERTER OUTPUT		
Rated Power	3000VA/3000W	5000VA/5000W
Voltage (nominal or range)	220/230 V.a.c	
Frequency (nominal or range)	50/60 Hz	
Power Factor Range	1.0 Leading to 1.0 Lagging	
Wave Form	Pure sine wave	
Switch Time	<10ms,15ms Max	
Current(maximum continuous)	13.6 A.a.c	22.7 A.a.c
Maximum Output Overcurrent Protection	20A(200ms)	34A(200ms)
BATTERY		
Battery Type	Lithium /Lead-acid	
Voltage (nominal or range)	21-30.2 V.d.c	42-56.4 V.d.c
Nominal Battery Voltage	24 V.d.c	48 V.d.c
Discharge Current (maximum continuous)	125 A.d.c	104 A.d.c
Charge Current (maximum continuous)	120 A.d.c	80 A.d.c
PV INPUT		
PV Charging Mode	MPPT	MPPT
MAX.PVInput Power	4000W	5500W
Max.Dc Voltage(V)	500V	
MPPT Voltage Range(V)	40V-450V	120V-450V
MPPT Maximum Charge Current	100A	
Max.input Current	12 A.d.c	18 A.d.c
Isc PV (absolute maximum)	18 A.d.c	27 A.d.c
PROTECTION & FEATURE		
Insulation Monitoring	Yes	
Residual Current Monitoring	Yes	
Parallel Function	No	Yes (up to 6pcs,optional)
Protection Degree	IP20 ,indoor only	
Certifications	CE(IEC62109-1);EN61000 NRS	
Other Protection	Overload/Over temperature,Short circuit protection	
GENERAL PARAMETER		
Storage Temperature	-10~+60°C	
Operating Temperature	-10~+50°C	
Humidity	20%-95%(Non-condensing)	
Altitude	Not over 1000m,Derating over 1000m, Max4000m.Refer to IEC62040	
Noise	<50dBA	
Dimensions (L*W*H)(mm)	335*125*470mm	
Shipping Dimensions (L*W*H)(mm)	365*185*515mm	
Machine Weight/ N.W.(kg)	8.1kg	8.6kg
ShippingWeight/G.w.(kg)	9.3kg	9.8kg
DISPLAY and COMMUNICATION		
Display	LCD display(Display Running Mode,Loads/input/Output etc.)	
Interface	RS232,RS485,CAN, Dry Contact, WiFi(optional)	