



3~6KSL-G1 Off-grid Hybrid Inverter 「3/5/6kW」



Features

 **Support Independent Grid/Generator input**
Dual AC inputs and integrated grid-generator switching system

 **Smart Load Management**
Dual AC outputs design

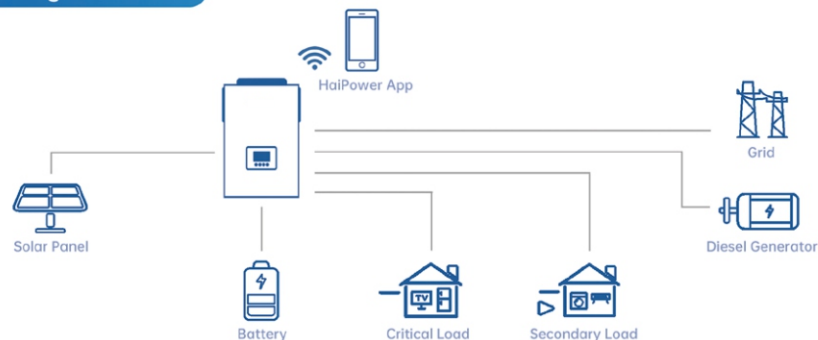
 **Remote Monitoring**
Built-in WiFi module for HaiPower App monitoring

 **Parallel Connection**
Parallel connection with up to 9 units

 **Faster On/Off-grid Switching**
UPS-level switching time: 10ms

 **Efficient Battery Charge/Discharge**
Max. 120A charge current
Max. 137A discharge current

Off-grid Solution



*Wi-Fi, generator and parallel functions are optional based on end-user's demand

Specifications

Technical Data	i-3KSL-G1	i-5KSL-G1	i-6KSL-G1
Solar Input Data			
Max. PV Input Power	3500W	6000W	7800W
Max. Input Voltage		550V	
Start-up Voltage		120V	
MPPT Voltage Range		90V-500V	
Max. Input Current per Mppt	18A	27A	27A
Max. Short Circuit Current per Mppt	22.5A	33.75A	33.75A
Number of Mppt		1	
AC Input Data (Grid&Generator)			
Nominal Input Voltage		230Vac, L/N/PE	
Input Voltage Range		90-280Vac	
Max. Input Current		35A	
Nominal Input Power		8050W	
AC Frequency Range		50/60Hz (Auto sensing)	
Battery Data			
Battery Type		Li-Ion/Lead-acid	
Nominal Battery Voltage		48V	
Battery Voltage Range		42-60V	
Max. Discharge Current	80A	115A	137A
Max. Charge/Discharge Power	3000/3840W	5000/5520W	6000/6576W
Li-Ion Battery Activation		Yes	
Li-Ion Battery Communication		CAN/RS485	
Max. Solar Charge Current	80A	100A	120A
Max. AC Charge Current	60A	80A	100A
Max. Charge Current (PV+AC)	80A	100A	120A
Inverter Output Data			
Nominal Output Power	3000W	5000W	6000W
Peak Apparent AC Power	6000VA	10000VA	12000VA
Nominal AC Voltage		230V	
Nominal Grid Frequency		50/60Hz	
Voltage Waveform		Pure Sine wave	
Transfer Time		10ms	
Max. Output Current	14A	22A	27A
Overload Protection		3s@130%-150% load; 10s@110%-130% load	
THDv (@linear load)		<3%	
Efficiency			
Peak Efficiency		94%	
MPPT Efficiency		>99.9%	
Protect			
DC Surge Protection		Yes	
AC Surge Protection		Yes	
AC Short Circuit Protection		Yes	
System Parameters			
Dimension (W*H*D)		333*580.5*120mm	
Weight		10.6kg	
Relative Humidity		5%-95% (Non-condensing)	
Operating Temperature Range		-10°C-50°C	
Noise Emission		<50dB	
Altitude		4000m	
Cooling Method		Fan Cooling	
Ingress Protection		IP20	
Characteristic			
Number of AC Output	1	2	2
Display		LCD&APP	
Communication Interface		RS485/ USB /CAN/ Wi-Fi	
Parallel Capability	-	9	9