



Off-Grid Inverter

AO-3~6KSL-G2

「3/4/5/6kW」

Features



Support Independent Grid/Generator Input

Dual AC inputs and integrated grid-generator switching system



Parallel Connection

Parallel connection with up to 9 units



Smart Load Management

Dual AC outputs design



Faster On/Off-grid Switching

UPS-level switching time: 10ms



Remote Monitoring

Built-in WiFi module for HaiPower App monitoring



Efficient Battery Charge/Discharge

Max. 120A charge current

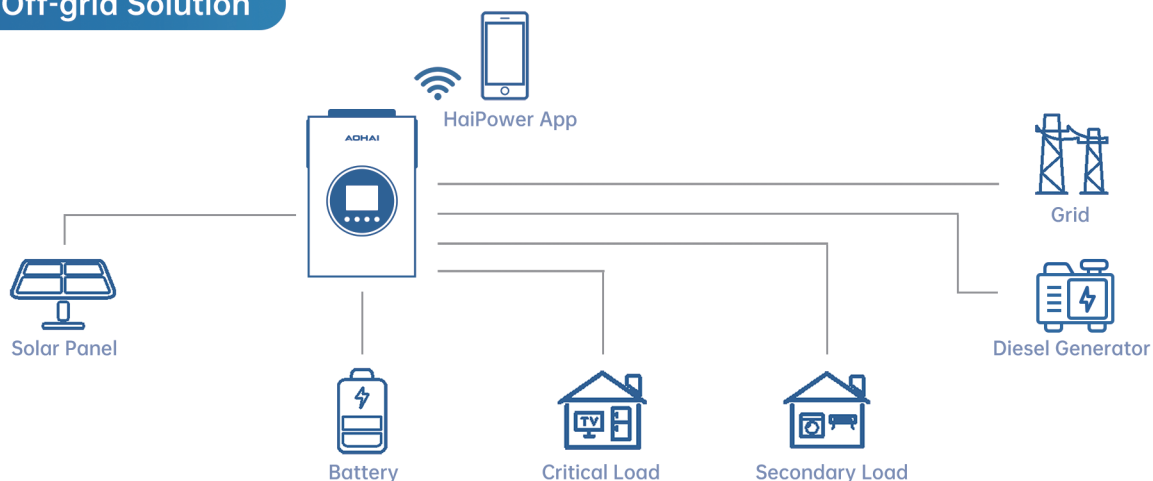
Max. 137A discharge current



Stylish Design

Larger screen with touch keys and LED ring lights

Off-grid Solution



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

Specifications

Technical Data

AO-3KSL-G2

AO-4KSL-G2

AO-5KSL-G2

AO-6KSL-G2

Solar Input Data

Max. PV Input Power	3300W		4400W		6000W		7800W
Max. Input Voltage	500V				550V		
Start-up Voltage			120V				
MPPT Voltage Range	90V~450V				90V~500V		
Max. Input Current per MPPT	18A				27A		
Max. Short Circuit Current per MPPT	23A				32A		
Number of MPPT			1				

AC Input Data (Grid&Generator)

Nominal Input Voltage	230Vac, L/N/PE						
Input Voltage Range	90~280Vac (APL); 170~265Vac (UPS)						
Max. Input Current	35A						
Nominal Input Power	8050W						
AC Frequency Range	40~65Hz						

Battery Data

Battery Type	Li-Ion/Lead-acid						
Nominal Battery Voltage	24V				48V		
Battery Voltage Range	20~30V				42~60V		
Max. Discharge Current	137A		137A		115A		137A
Max. Charge/Discharge Power	3000W		3300W		5000W		6000W
Li-Ion Battery Activation	Yes						
Li-Ion Battery Communication	CAN/RS485						
Max. Solar Charge Current	120A		120A		100A		120A
Max. AC Charge Current	100A		100A		80A		100A
Max. Charge Current (PV+AC)	120A		120A		100A		120A

Inverter Output Data

Nominal Output Power	3000W		4000W		5000W		6000W
Peak Apparent AC Power	6000VA		8000VA		10000VA		12000VA
Nominal AC Voltage	230V						
Nominal Grid Frequency	50/60Hz (Auto Sensing)						
Voltage Waveform	Pure Sine Wave						
Transfer Time	10ms						
Max. Output Current	14A		18A		22A		27A
Overload Protection	30s@102%-110% load; 10s@110%-130% load; 5s@130%-200% 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*505*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	IP21						

Characteristic

Number of AC Output	2						
Display	LCD&LED&APP						
Communication Interface	RS485/ USB /CAN/ Wi-Fi						
Parallel Capability	-		-		9		9