











Off-Grid Inverter

AO-5~6KSL-G2

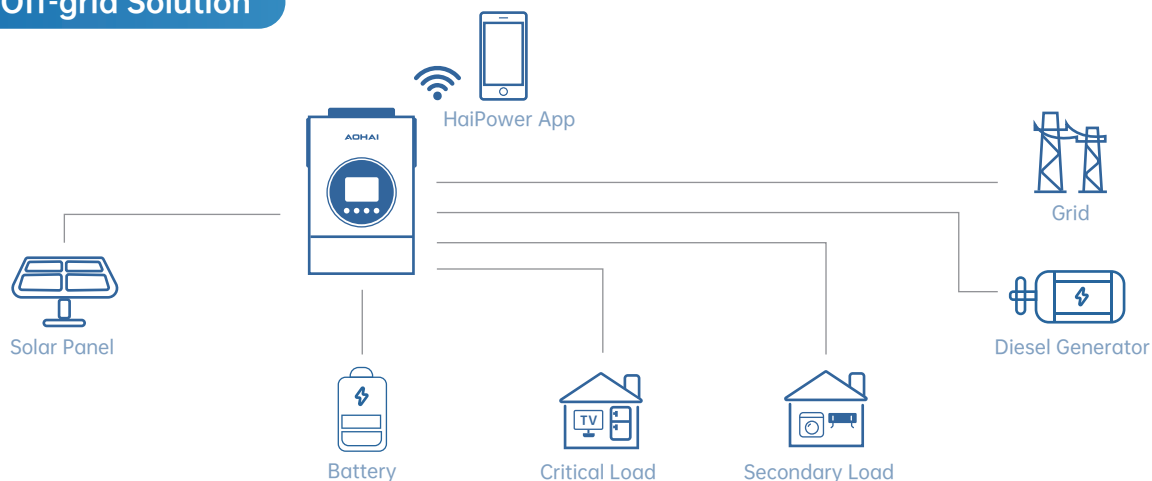
「5/6kW」



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:4ms
- 
Remote Monitoring
 Built-in WiFi module for HaiPower App monitoring
- 
Efficient Battery Charge / Discharge
 Max. 120A charge current
 Max. 137A discharge current
- 
Overload Capacity
 2 times the rated power for 5s
- 
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-5KSL-G2

AO-6KSL-G2

Solar Input Data

Max. PV Input Power	6000W		7800W
Max. Input Voltage		550V	
Start-up Voltage		120V	
MPPT Voltage Range		90V~500V	
Max. Input Current per MPPT		27A	
Max. Short Circuit Current per MPPT		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	48V		
Battery Voltage Range	42~60V		
Max. Discharge Current	115A		137A
Max. Charge / Discharge Power	5000W		6000W
Li-Ion Battery Activation	Yes		
Li-Ion Battery Communication	CAN / RS485		
Max. Solar Charge Current	100A		120A
Max. AC Charge Current	80A		100A
Max. Charge Current (PV+AC)	100A		120A

Inverter Output Data

Nominal Output Power	5000W		6000W
Peak Apparent AC Power	10000VA		12000VA
Nominal AC Voltage	230V		
Nominal Grid Frequency	50 / 60Hz (Auto Sensing)		
Voltage Waveform	Pure Sine Wave		
Transfer Time	4ms		
Max. Output Current	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)	333mm*505mm*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		