



Off-Grid Inverter
AO-3~6KSL-G3
「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:4ms



Remote Monitoring

Built-in WiFi module for HaiPower App monitoring



Efficient Battery Charge / Discharge

Max. 120A charge current

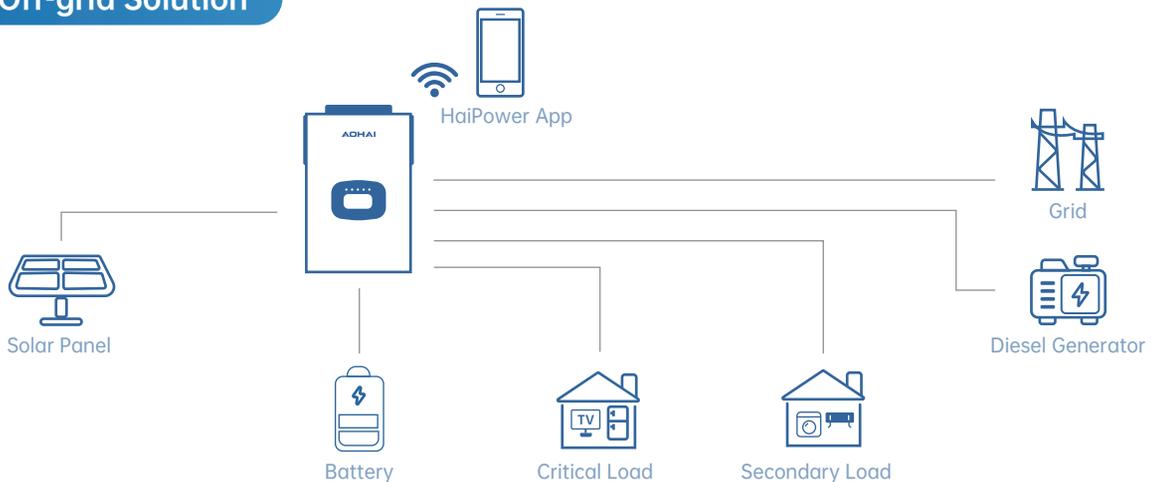
Max. 137A discharge current



Touch Screen

4.3" 800 x 480 interactive display without physical keys

Off-grid Solution



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

Specifications

Technical Data	AO-3KSL-G3	AO-4KSL-G3	AO-5KSL-G3	AO-6KSL-G3
Solar Input Data				
Max. PV Input Power	4500W	6000W	7500W	9000W
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		4ms		
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