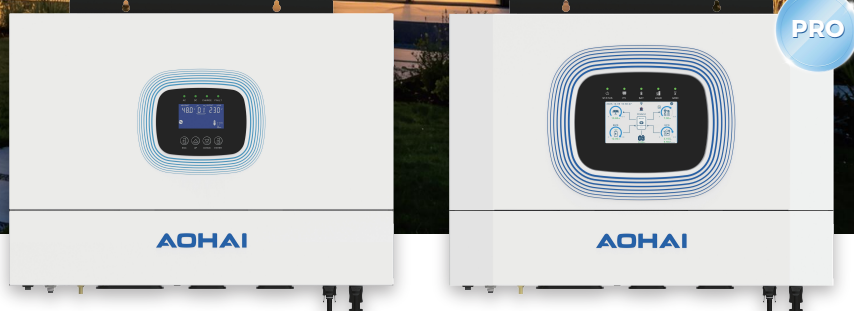


Off-Grid Inverter

GSA-5-6.2K1P-BL
GSA-5-6.2K1P-BL-PRO
「5/6.2kW」



Features



PV Oversizing

Support 200% PV oversizing



High-Temperature Adaptability

Full-power output at 40°C without derating



High-Power Charge / Discharge

Max. 130A charge, max. 140A discharge



CT Port Equipped

CT port equipped for anti-backflow function



Communication Port & BMS Supported

CAN / RS485 / WiFi ports equipped, enabling BMS communication



Dual Display Options

Flexible screen choice: segment display / touchscreen



5-Year Warranty

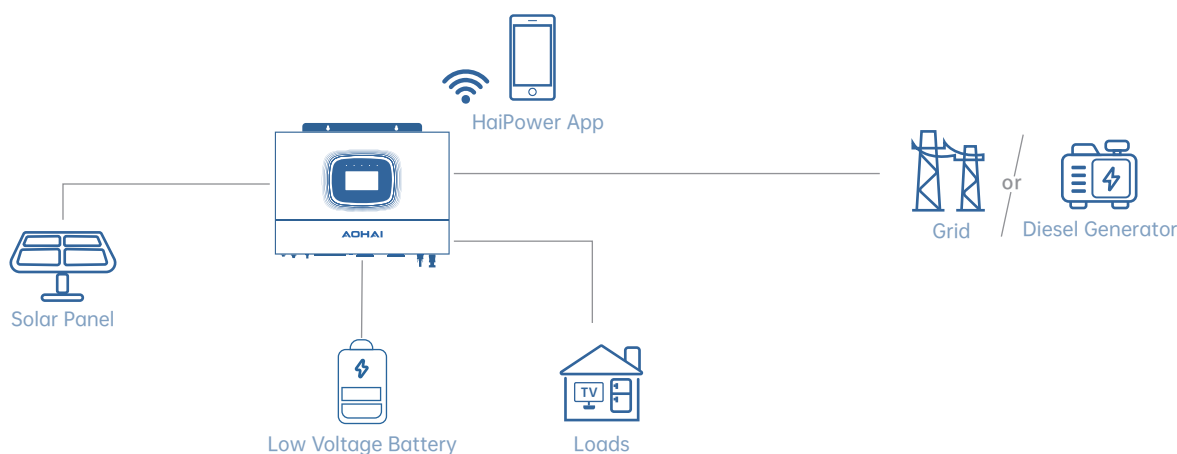
Durable design and craftsmanship for prolonged lifespan



Modular Design

Internal modular design for easy maintenance and efficient after-sales service

Off-grid Solution



Specifications

Technical Data

GSA-5K1P-BL

GSA-5K1P-BL-PRO

GSA-6.2K1P-BL

GSA-6.2K1P-BL-PRO

Solar Input Data

Max. PV Input Power	10000W		12000W
Max. Input Voltage		500V	
Start-up Voltage		60V	
MPPT Voltage Range		60V~450V	
Max. Input Current per MPPT		40A	
Max. Short Circuit Current per MPPT		50A	
Number of MPPT		1	
Number of Strings per MPPT		2	

AC Input Data

Nominal Input Voltage		230Vac	
Input Voltage Range		90~280V	
Max. Input Current		40A	
Nominal Input Power		9200W	
AC Frequency Range		50 / 60Hz	

Battery Data

Battery Type		Li-Ion / Lead-acid	
Nominal Battery Voltage		48V	
Battery Voltage Range		42~60V	
Max. Discharge Current	120A		140A
Max. Charge Power	5000W		6200W
Li-Ion Battery Activation		Yes	
Li-Ion Battery Communication		CAN / RS485	
Max. Solar Charge Current	110A		130A
Max. AC Charge Current	100A		100A
Max. Charge Current (PV+AC)	110A		130A

Inverter Output Data

Nominal Output Power	5000W		6200W
Peak Apparent AC Power	10000W		12000W
Nominal AC Voltage		230V	
Nominal Grid Frequency		50 / 60Hz	
Voltage Waveform		Pure Sine wave	
Transfer Time		4ms	
Max. Output Current	21.8A		27A

Overload Protection

60s@102%-110% load;
30s@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)	510*422*126mm
Weight	12.3kg
Relative Humidity	5%~95%
Operating Temperature Range	-10°C~60°C
Noise Emission	≤50dB
Altitude	2000m
Cooling Method	Fan
Ingress Protection	IP54

Characteristic

Number of AC Output	1+Smart Load Output (Gen / Load)			
Display	Segment LCD & APP	LCD (Touch Screen) & APP	Segment LCD & APP	LCD (Touch Screen) & APP
Communication Interface	RS485 / USB / CAN / Wi-Fi			
Parallel Capability	9			
Power Grid Side Energy Detection Method	CT (optional)			