









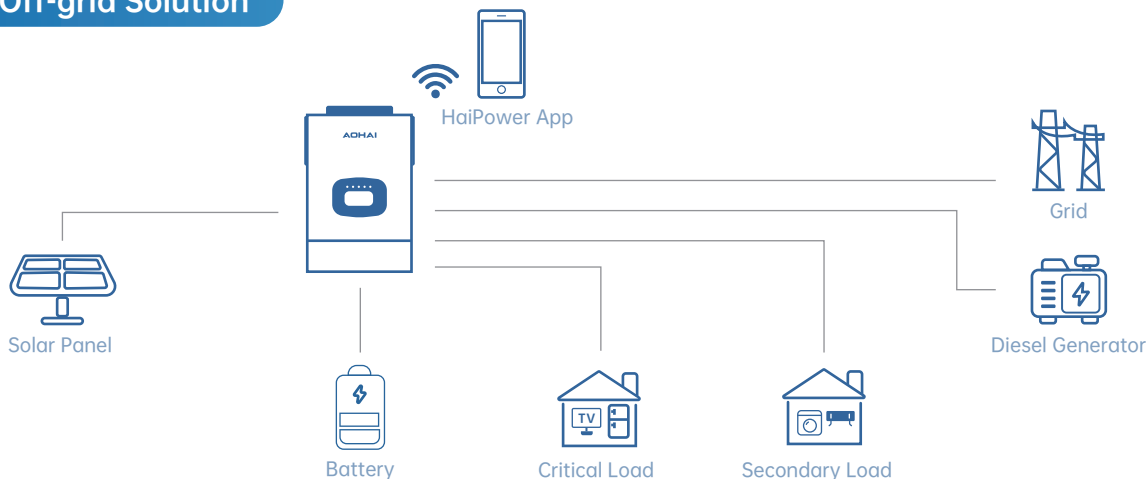


Off-Grid Inverter
AO-5~6KSL-G3
 「5/6kW」

Features

-  **Higher PV Input**
 Up to 150% PV oversizing, max. 9000W input
-  **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
-  **Support Independent Grid / Generator Input**
 Dual AC inputs and integrated grid-generator switching system
-  **Faster On / Off-grid Switching**
 UPS-level switching time:4ms
-  **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-5KSL-G3

AO-6KSL-G3

Solar Input Data

| | | | |
|-------------------------------------|-------|--|----------|
| Max. PV Input Power | 7500W | | 9000W |
| 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 | | |