



Long life and safety

Vertical industry integration ensures more than 6000 cycles with 80% DoD.

Easy to install and use

Integrated inverter design, easy to use and quick to install. Small size, minimizing installation time and cost. Compact and stylish design suitable for your sweet home environment.

Multiple working modes

The inverter has a variety of working modes. Whether it is used for main power supply in the area without electricity or backup power supply in the area with unstable power to deal with sudden power failure, the system can respond flexibly.

Fast and flexible charging

A variety of charging methods, which can be charged with photovoltaic or commercial power, or both at the same time

Scalability

You can use 4 batteries in parallel at the same time, and can provide a maximum of 20kwh for your use.



Product parameters

HG-AIO5KWSR-220V

BATTERY TECHNICAL SPECIFICATION

Battery model

Number of batteries	1
Battery Energy	5.12kWh
Battery Capacity	100AH
Weight	80kg
Dimension L× D× H	1190×600×184mm
Battery Type	LiFePO4
Battery Rated Voltage	51.2V
Battery Working Voltage Range	44.8 ~ 57.6V
Maximum Charging Current	100A
Maximum Discharging Current	100A
DOD	80%
Parallel Quantity	4
Designed Life-span	6000

INVERTER TECHNICAL SPECIFICATION

Inverter model	HG-INFP5KW
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PV CHARGE

Solar Charger Type	MPPT
Maximum Output Power	5000W
PV Charging Current Range	0~80A
PV Operating Voltage Range	120~500V
MPPT Voltage Range	120~450V

AC CHARGE

Maximum Charge Power	3150W
AC Charging Current Range	0~60A
Rated Input Voltage	220/230Vac
Input Voltage Range	90~280Vac

AC OUTPUT

Rated Output Power	5000W
Maximum Output Current	30A
Frequency	50Hz
Overload Current	35A

BATTERY INVERTER OUTPUT

Rated Output Power	5000W
Maximum Peak Power	10KVA
Power Factor	1
Rated Output Voltage (Vac)	230Vac
Frequency	50Hz
Auto Switch Period	< 15ms
THD	< 3%

GENERAL DATA

Communication	RS485/CAN/WIFI
Storage time / temperature	6 months @25°C;3 months @35°C;1 months @45°C
charging temperature range	0~45°C
Discharging temperature range	-10~45°C
Operation Humidity	5% ~ 85%
Nominal Operation Altitude	< 2000m
Cooling Mode	Force-Air Cooling
Noise	60dB(A)
Ingress Protection Rating	IP20
Recommended Operation Environment	Indoor
Installation Method	Vertical
Certification	UN38.3,MSDS,EN55032,EN55024,EN61000-3-2,EN61000-3-3