

All-in-one Household Storage Battery

(5KW off-grid inverter +5KWh lithium battery pack)

5.3KWh 105Ah

All-in-one series products are integrated with lithium iron phosphate battery and off-grid inverter, which is more convenient to install. 5KW rated output power can meet all kinds of home appliances at the same time. The battery can be directly connected to solar panels for charging and discharging. 5KWh storage capacity, to provide continuous and stable power supply for the family, it is the first choice of household energy storage battery products..



Product function

Exterior Design



The structural parts of the All-in-one are made of high-quality cold-rolled steel plate. The surface is smooth and beautiful with various superior mechanical properties.

Professional Configuration



Equipped with professional battery management system and multifunctional display, with a variety of battery protection functions, can display the working status of the battery and alarm information. Protect the safety of the battery.

Cell Quality



Using CBAK's new A-grade LFP batteries, the cells have CE, CB, UL, RoHs, REACH and other internationally recognised qualification certificates.

Software Management



With WIFI connection function (optional), configured with computer battery management software, it can connect with the battery to communicate and view the real-time information of the battery. It can also change the protection thresholds of the battery and upgrade the software of the battery.

Complete systems

Power	5KW
Overall Energy	5.3KWh
Size	540*820*185mm
Weight	72kg(158.73lb)
International Protection	IP54
Operating Temperature Range	-15°C ~ 45°C
Storage Temperature Range	-25°C ~ 60°C
Noise level	≤50dB
Cooling	Forced air cooling with adjustable air speed

Inverter

Utility Mode

Rated Input Voltage	220/230Vac
Input Voltage Range	(90Vac-280Vac) ±2%
Nominal Input Current	22.7A
Frequency	50Hz/ 60Hz
Frequency Range	40~70Hz
Overload/Short Circuit Protection	Circuit Breaker
Efficiency	>95
Switching Time (bypass and inverter)	10ms (typical)
Maximum Bypass Overload Current	40A

Inverter Mode

Nominal Output Power(VA)	5000(4350/4500/4800/5000)
Nominal Output Power(W)	5000(4350/4500/4800/5000)
Nominal Output Voltage (Vac)	230Vac (208/220/230/240 settable)
Output Voltage Tolerance	±5 per Cent
Output Frequency Range (Hz)	50Hz ± 0.3Hz/60Hz ± 0.3Hz
Efficiency >	>90 per cent
Output Short Circuit Protection	Breaker
Bypass Circuit Breaker Specifications	40A

Solar Charging

PV Operating Voltage Range	120-450VDC
MPPT Voltage Range	120-430VDC
Maximum Output Power	5000W
Solar Charging Current Range (Settable)	0-30A

Battery Pack

Total Power	5.3KWh
Maximum Charging Current	50A
Maximum Discharge Current	105A
Peak Discharge Current	150A
Cycle Life	≥6000 times 25°C, 0.5C, 80% DOD