

ALL-IN-ONE LIFEPO4 BATTERY

The all-in-one home energy storage system is compatible with multiple charging methods such as photovoltaic power and municipal electricity, and meets needs like daily household electricity consumption and emergency power supply.

Portability: The integrated design makes the battery more compact and easy to carry and install.

Simplified installation: The installation process is simpler and faster with fewer external cables and components.

Aesthetics: Integrated designs are generally neater in appearance and suitable for modern home and office environments.



Higher-capacity compare with same size lead acid battery.



Support a variety of communication protocols, support RS485, RS232, CAN etc



Long cycle life, using high-quality LiFePO4 Cells, the cycle life is as high as 6000 times



Good safety characteristics and eco-friendly.



Built-in high-quality battery intelligent management system ensures stability and reliability of power supply.



Ideal drop-in replacement for lead-acid batteries.

Technical Parameter

Product Model	ZB-AIO-512100	ZB-AIO-512200
Module Capacity	51.2V100AH*1	51.2V100AH*2
Cell Typ	LiFePO4	
Argument	6KW+5KWH	6KW+5KWH
Photovoltaic Input	Max:5500W/DC120-DC500V	
AC Input	220-240V/50Hz/60Hz	
Output Waveform	Pure Sine Wave	
Output Power	Max:5.5KW	
Max Charge Current	80A	
MPPT efficiency	>98%	
Display	LCD Display Screen	
Communication Interface	RS485,RS232,CAN	
Protection class	IP21	
Installation	Foor Standing	
Charge Temperature	0°C-45°C	
Discharge Temperature	-20°C-65°C	
Storage Temperature	-10°C-45°C	
Cooling Method	Air Cooling	
Design Life	10 years	
Cycles	6000@25°C /0.5C/80%DOD	
Battery&Inverter Size	500*158*1076mm	500*158*1576mm
Package Size(WxDxH)	Single Battery Size Single Inverter Size	598*560*218mm 560*560*218mm
Net Weight	52.3Kg +47.3Kg	104.6Kg+47.3Kg
Gross Weight	55.3Kg+51.1Kg	110.6Kg+50.4Kg
*Size and Weight for reference only		