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SMART ENERGY  
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# Amosolar Battery Module

Amosolar battery module is widely used in energy storage and electrical products, household energy storage systems, centralized power station energy storage system.



## SPECIFICATION

Model	AS48100	AS48200	AS512100	AS512200
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Nominal Voltage	48V	48V	51.2V	51.2V
Nominal Capacity	100Ah	200Ah	100Ah	200Ah
Nominal Battery Energy	4.8kWh	9.6kWh	5.12kWh	10.24kWh
Charging Voltage	53-55V	53.3V	56-58V	51-53V
Discharging Voltage	40-44V	42.0V	40-44V	40-44V
Max. Continuous Charge Current	100A	100A	100A	100A
Max. Continuous Discharge Current	100A	100A	100A	100A
Net Weight	45Kg	80Kg	48Kg	85Kg
Dimension [W*D*H]	480*483*178mm	680*483*178mm	460*442*180mm	680*442*180mm
Charging Temp. Range	0 ~ 45 °C	0 ~ 45 °C	0 ~ 45 °C	0 ~ 45 °C
Discharging Temp. Range	-20 ~ 55 °C	-20 ~ 55 °C	-20 ~ 55 °C	-20 ~ 55 °C
Calendar Life <sup>[1]</sup>	>6000 Cycles			
Communication	CAN / RS485 / DRY CONTACT			
Certification & Safety Standard	TUV/CE/EN62619/IEC62040/UN38.3/CEC Accredited			
Warranty	10 Years			

[1] Test conditions: 0.2C Charging/Discharging, @25 °C, 80% Dod

## Features and advantages

- LiFePO4 Battery, Safe, Longer Life Span
- Modular design, Easy to stack, Quick Installation
- Larger Energy Capacity, Enhance the Cycle Life
- Natural Cooling With Optional Heat/Fan Configuration
- Wide Temperature Range of -20~50°C
- Equipped With Intelligent BMS, Manage Modules Effectively

