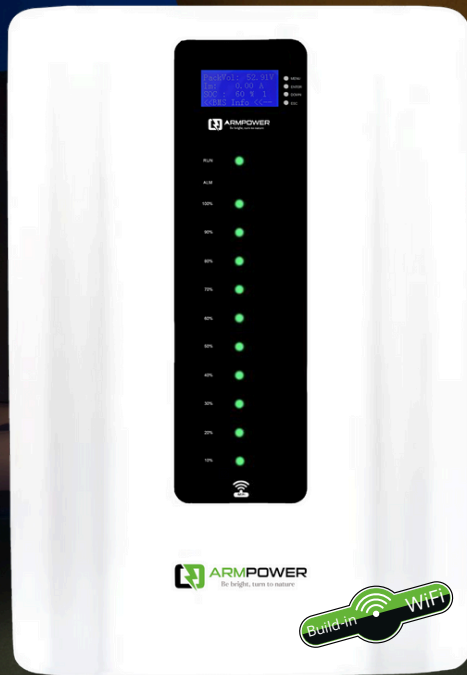




Solar Energy Storage System

Lithium LiFePO4 Battery
5.12KWh



WITH STANDARD WARRANTY

Main Features

- Smart BMS communication compatible with all hybrid inverters.
- Long lifespan, 6000 cycles.
- 5.12kWh (Usable: 4.86kWh, 96% DOD)
- Communication Ports: RS485, CAN, COM
- 51.2V nominal, 57.6V charging
- Max. charge/discharge current: 100A
- 6000 cycles (25°C, 60% EOL)
- Up to 16 modules in parallel (81.92kWh)
- CE, IEC62619, UN38.3 (upcoming)



LiFePO4 BATTERY

Product Name	LiFePO4 Battery
Module Model	ARM5120
Battery Type	LFP 16S
Nominal Capacity	5.12KWh
Usable Capacity	4.86KWh (95% DOD)
Nominal Voltage	51.2V
Working Voltage	43.2 ~57.6Vdc
Charging Voltage	57.6V
Max. Charge Current	100A
Max. Discharge Current	100A
Communication Port	RS485, CAN, COM
Storage Temperature	-10°C~35°C (Recommended)
Storage Humidity	≤85% (RH)
Working Temperature	Charging: 0°C ~ 55°C Discharging: -20°C ~ 60°C
Working Humidity	≤95% (RH) No Condensation
Working Altitude	≤2000m
Ingress Protection	IP54
Protective Class	1
Weight	48kg
Dimension	608*395*185.5mm
Shelf life	5 Years (25°C)
Cycle life	>6000 (25°C) , 60% EOL
Scalability	Module: Max. 16 in parallel (Capacity 81.92kWh)
Certification	CE, IEC62619, UN38.3 (upcoming)