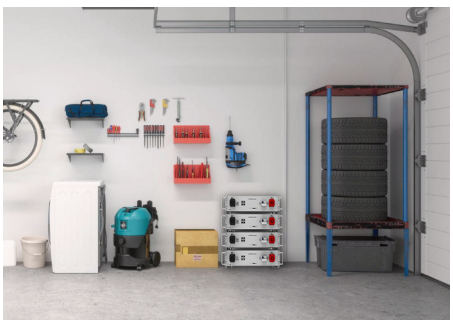
LITHIUMVALLEY

Residential LFP Battery Series

A5 | 51.2V 100Ah 5.12kWh



A+ grade lithium iron phosphate

(A+ is the best grade and is used in electric vehicles)

10-20 Year Design Life

DONGGUAN LITHIUM VALLEY ENERGY CO., LTD

FEATURES

Longer Life and Safer

· A+ grade lithium iron phosphate
· Battery management system with multi-level protection

Flexible and Expandable

· Up to 12 units in parallel
· The system's energy capacity is up to 81kWh

Easy to Install and Use

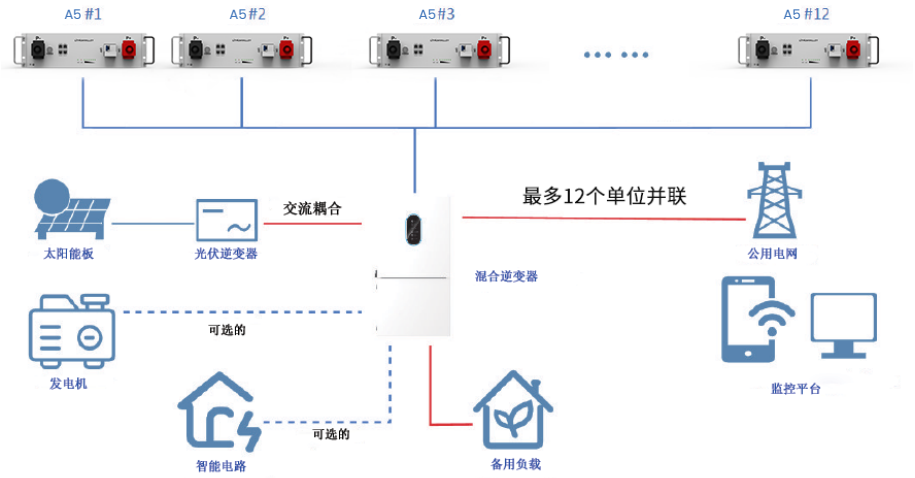
· Applications Residential, Commercial, Industrial, Off-grid, Grid tie and Self-consumption. Compatible with all 48V inverters that support LFP.

Smart

· A self-developed battery management system (BMS) that is capable of intelligent and efficient power output management
· Able to charge at nearly 100% efficiency
· Guaranteed not to lose closed loop communications during possible future updates with MidNite AIO inverter or battery firmware

Compliance

· UL 1973,UL 9540A,UL 9540



Product Name	A5
Electrical Characteristics	
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Energy	5,120Wh
Battery Chemistry	Lithium Iron Phosphate (LFP)
Impedance	≤0.30mΩ
Cycle Life	6,000 cycles @77°F(25°C), 0.5C/0.5C
Operating Voltage	44.8~56.16V
Communication Interfaces	CAN/RS485/RS232
Scalable	Up to 12 units
Charge&Discharge	
Nominal Discharging Rate	0.5C
Max. Discharging Rate	1C
Nominal Charging Rate	0.5C
Environmental	
Environment	Indoor(Type 1)
Operating Temperature	-4°F to 122°F (-20°C to 50°C)
Storage Temperature	14°F to 113°F (-10°C to 45°C)
Altitude	Maximum 9,843 ft (3,000 m)
Cooling Method	Natural Convection
Ingress Rating	IP20
Mechanical	
Dimension(L x W x D)	17.7×17.4×5.2in(450*444*133mm)
Weight	96.5lbs(43.8kG)
Installation	Rack mount

*The actual product may have slight differences from some promotional videos or pictures. Please refer to the actual product. Unless otherwise specified the data on this page are all from our company's laboratory. The data may have errors due to changes in the objective environment.
*The specifications are subject to change without prior notice.