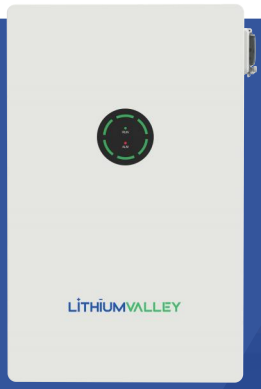
LITHIUMVALLEY

Version: V2.0



Battery-W16

Residential LFP Battery Series

EVE A+ Grade Lithium Iron Phosphate Cells
(A+ is the best grade and is used in electric vehicles)

20 Year Design Life
Longest in the Industry

1. Battery automatically assigns addresses. No dip switch programing required.
2. Each battery can be monitored with the app or optional software.
3. The battery is actively balanced @2 amps improving battery efficiency and SOC reporting.

Product Advantages

Longer Life and Safer

- EVE A+ grade lithium iron phosphate
- Battery management system with multi-level protection
- Module-level endothermic decomposition and cooling fire extinguishing

Flexible and Expandable

- Up to 16 units in parallel, the system's energy capacity is up to 257kWh

Higher Energy Density

- The battery takes up less space and has an energy density of up to 178Wh per kilogram

Easy to Install and Use

- Applications Residential, Commercial, Industrial, Off-grid, grid tie and self-consumption. Compatible with all 48V inverters that support LFP
- Compatible with the "PYLON" protocol

Compliance

- UL 1973, UL 9540A, UL9540

Dimensions

Product Name	W16-EUR
Electrical Characteristics	
Nominal Voltage	51.2V
Nominal Capacity	314Ah
Energy	16,076Wh
Battery Chemistry	Lithium Iron Phosphate (LFP)
Cycle Life	8,000 cycles @77°F(25°C), 0.5C/0.5C
Operating Voltage	46.4~57.6V
Communication Interfaces	CAN/RS485/RS232
Scalable	Up to 16 units
Charge&Discharge	
Nominal Charging Current	160A
Nominal Discharging Current	160A
Max. Discharging Current	210A
Environmental	
Environment	Indoor/Outdoor
Charging Temperature	-4°F to 122°F (-20°C to 50°C)
Discharging 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
IP Rating	IP65
Mechanical	
Dimension(L x W x D)	800*500*227mm
Weight	128.9kg
Installation	Wall mount or floor mount

* When the ambient temperature is below 32°F (0°C), the internal heating pads start to operate.
The battery begins charging when the cell temperature is between 32°F and 122°F (0°C and 50°C).

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