



# PEGASUS ENERGY

POWERING PEOPLE

## MODEL

# PE-LFP51-314

High-capacity LiFePO4 battery pack for residential and commercial energy storage.

**16 kWh**



## KEY FEATURES



Built-in active balancer and Bluetooth BMS



Up to 16 parallel connections



Grade-A LiFePO4 cells



Design life up to 10 years

## BUILT FOR RELIABILITY. DESIGNED TO PERFORM.

1



### SMART BMS

Latest technology BMS with built-in active balancer and Bluetooth.

2



### HIGH CAPACITY

16 kWh output with 314 Ah capacity and 7.5 kW maximum power output.

3



### LONG LIFE

Grade-A cells and cycle life over 4000 cycles.

4



### SMART & COMPATIBLE

4" LCD display, CAN, 2x RS485, 2x RS232, and up to 16 parallel packs.

## SPECIFICATIONS

Parameters	Specifications
Product Model:	PE-LFP51-314
Battery Chemistry:	Lithium Iron Phosphate (LiFePO4)
Nominal Voltage:	51.2 V
Nominal Capacity:	314 Ah
Total Energy:	16 kWh
Maximum Power Output:	7.5 kW
Efficiency:	>95%
Max Charge / Discharge Current:	100 A / 150 A
Peak Discharge Current:	200 A (<3s)
Charging Voltage:	57.2 V
Minimum Discharge Voltage:	46 V
Operating Temperature:	-20°C to 60°C
Cycle Life:	>4000 (0.5C, 25°C, 80% SOH)
Weight:	110 kg
Communication:	CAN, 2x RS485, 2x RS232
Parallel:	Up to 16 packs
Storage Condition:	<30°C @50% SOC



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