



PEGASUS ENERGY

POWERING PEOPLE

MODEL

PE-LFP51-100

Compact LiFePO4 battery pack for residential and light commercial energy storage.



5 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

SPECIFICATIONS

BUILT FOR RELIABILITY. DESIGNED TO PERFORM.

1



SAFE & RELIABLE

Built with premium LFP cells and multi-level protection.

2



HIGH PERFORMANCE

High efficiency and superior charge / discharge capability.

3



LONG LIFE

Long cycle life with durable system design.

4



SMART & COMPATIBLE

Multiple communication interfaces for easy integration.

Parameters	Specifications
Product Model:	PE-LFP51-100
Battery Chemistry:	Lithium Iron Phosphate (LiFePO4)
Nominal Voltage:	51.2 V
Nominal Capacity:	100 Ah
Total Energy:	5 kWh
Maximum Power Output:	5 kW
Efficiency:	>95%
Max Charge / Discharge Current:	80 A / 100 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:	45 kg
Communication:	CAN, 2x RS485, 2x RS232
Parallel:	Up to 16 packs
Storage Condition:	<30 C @50% SOC



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