

Pytes

V5°



Introduction

V5°, the new generation LFP battery for home energy storage system. It provides safe, well-designed and high-performance standard LFP battery pack for you. The battery pack is compact, easy to install, free of maintenance, and could be deployed to the building block of energy storage system by being assembled in parallel. It is widely applied in home applications, small commercial and industrial energy storage system as well as Telecommunication stations. Its rechargeable LFP battery pack provides energy storage for solar self-consumption, time-based control, and backup.

Features



Below Freezing Temperature Charging

- designed for cold environment



Smart Energy Management

- field-proven sophisticated BMS to maximize reliability and longevity
- remote upgrading



High Charge/Discharge Rate

- fully charged in 1 hour
- high power output (1C)



Long-lasting Battery Module

- integrated with tier 1 automotive LFP cells
- lifespan ≥ 6000 cycles



Easy Connection

- Up to 300A confluence current in parallel without busbars

10 Years Warranty

Technical Specifications

Battery Model	V5°
Chemistry	LFP
Nominal Voltage	51.2V
Voltage Range	44.8V-57.6V
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Unit Dimension(L*W*H)	19*20.9*5.5 in
Weight	97 lbs
Standard Charge/Discharge	75A
Maximum Continuous Charge/Discharge	100A
Peak Charge/Discharge	150A(at 15s)
Round-Trip Efficiency	≥95%
Communication Protocol	CAN/RS485
Cycle Life	≥6000 cycles (@ 90%DOD)
Calendar Life	≥10years
Operating Temperature	14°F~131°F
Maximum Allowed Modules in Parallel	16 pcs (82kWh) in a group 7 groups (573kWh) in a system w/ a Hub
Heating system	14.4~18°F/h

Operation Panel

