

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 Telecom stations.

Features



Basic Functions

self-consumption, time-of-use bills reduction, back-up power supply, wide-compatibility



Short-Time Charging/Discharging

maximum continuous charge/discharge current: 100A



Easy Connection

new terminals are compatible with copper bar/wire connection up to 3 pcs connected in parallel without using busbars



Smart Energy Management

add dry contacts and IoT interfaces for remote upgrades and real-time monitoring



Longest Life and Highest Safety

more than 6000 cycles @90%DOD



Self-Heating System

low temperature resistance to ensure normal charging

10 Years Warranty



UN38.3



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	L483mm* W530mm* H140mm (3.2U)
Standard Charge/Discharge	75A
Maximum Continuous Charge/Discharge	100A
Peak Charge/Discharge	150A(15s)
Round-Trip Efficiency	≥95%
Communication Protocol	CAN/RS485/RS232
Cycle Life	≥6000cycles
Calendar Life	≥10years
Operating Temperature	-10°C~55°C
Connect style	Parallel
Heating system	8~10°C/h

Operation Panel

