



PowerLine-5

The thinnest home ESS ever built with just

90MM THICKNESS



Introduction

PowerLine-5 is an ultra-thin wall-mounted battery that can be mounted directly to the wall with a simple snap-in installation. The battery modules utilize FPC technology to ensure more consistent quality, and are certified by UL1973 to deliver up to 98% efficiency. In addition, this product can be cycled 6000 times at 90% DOD and still have 80% capacity. The battery can last up to 20 years for optimal performance and cost savings.



PowerLine-5

- - 50% Installation Space
- 5X Cycle Life
- 3X Watt Density
- + 10% Energy Density
- - 20% Cost

Application Scenarios












Technical Specification

Model	PowerLine-5
Nominal energy	5120Wh
Series-parallel connection method	16S1P
Nominal capacity	100Ah
Nominal voltage	51.2V
Operating voltage range	47 ~ 56.8V
Operating temperature (Charging)	0 ~ 60°C ≤90%ROH
Operating temperature (Discharging)	-20 ~ 65°C ≤90%ROH
Standard charging	Constant current charging: 50A
Maximum unit voltage 3.55V	Charging voltage: 56.8V Cut off current: 5A
Maximum continuous charging current	Constant current charging: 100A
Maximum unit voltage 3.55V	Charging voltage: 56.8V Cut off current: 5A
Standard discharge	Constant current discharge: 50A
Minimum unit voltage 2.94V	Cut off voltage: 47V
Maximum continuous discharge current	Constant current discharge: 100A
Minimum unit voltage 2.94V	Cut off voltage: 47V
Storage temperature	-20~65°C
Cycle life	≥6000 cycles @ 90%DOD, @ 25°C, 0.5C
Monthly self-discharge	<2.5% Per month
Communication equipment	RS232/RS485/CAN
Equalisation method	Passive equalization
Shipping capacity	SOC 30 ~ 70% (TBD)
Weight	48.3±2Kg
Dimension	(700*540*90) ±1mm

Certification

Safety	IEC62619/CE/UL1973/UN38.3
Hazardous Materials Classification	Class 9
Transportation	UN38.3
IP Level	IP22 / IP65

Features

 Modular and scalable	 Max. 1C charge/ discharge	 6000 Cycle Life @90% DOD
 10-year warranty & technical support	 30 days delivery period	 For on-grid and off-grid
 UL standard battery pack	 Compatible with multiple inverters	 Safe and reliable LiFePO4