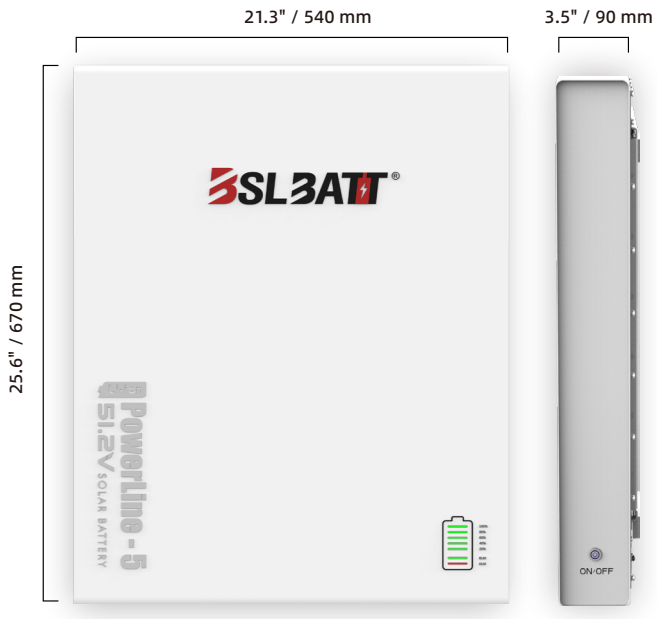


Introduction

PowerLine-5 is a ultra-thin wall-mounted battery 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

Residential | Small Commercial | Farm | Mobile | office | Telecom

Technical Specification

Model	PowerLine-5
Nominal energy	5120Wh
Series-parallel connection method	16S1P
Nominal capacity	100Ah
Nominal voltage	51.2V
Operating voltage range	40 ~ 58.4V
Operating temperature (Charging)	0 ~ 60℃ ≤90%ROH
Operating temperature (Discharging)	-20 ~ 65℃ ≤90%ROH
Standard charging Maximum unit voltage 3.65V	Constant current charging:50A
	Charging voltage：54V
	Cut off current：5A
Maximum continuous charging current Maximum unit voltage 3.65V	Constant current charging:100A
	Charging voltage：54V
	Cut off current：5A
Standard discharge Minimum monomer voltage 2.5V	Constant current discharge：50A
	Cut off voltage：40V
Maximum continuous discharge current Minimum monomer voltage 2.5V	Constant current discharge：100A
	Cut off voltage：40V
Storage temperature	-20~65℃
Cycle life	≥6000 cycles @ 90%DOD, @ 25℃, 0.5C
Monthly self-discharge	<2.5% Per month
Communication equipment	RS232/RS485/CAN
Equalisation methoda	Passive equalization
Shipping capacity	SOC 30 ~ 70%（TBD）
Weight	48.3±2Kg
Dimension	（670*540*90）±1mm

Certification

Safety	IEC62619/CE/UL1973/UN38.3
Cell	IEC62619/UL1973/CE
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