

The thinnest Home ESS Ever built with just 90MM THICKNESS

PowerLine - 5

FEATURES

- 3C Continuous power
- Up to 81.9 kWh in Low Voltage Connection
- Real-time monitoring System and remote Debug
- Non-Toxic & Non-Hazardous Cobalt-Free LFP Chemistry
- Extended Operating Temperature -4°F to 140°F
- The thinnest Home ESS Ever built with just 90mm thickness
- Certification: IEC62619, CE, UL1973, UN38.3
- Exceptional lifespan Up to 8000 Cycles
- Cycle One to Several Times Per Day
- Extended Warranty Up to 15 years

APPLICATIONS

- Back-up power
- Self-consumption optimisation
- Off-grid power supply



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PRODUCT INTRODUCTION

PowerLine 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 100% DOD and still have 80% capacity. The battery can last up to 20 years for optimal performance and cost savings.



Lithium battery
BSLBATT

LiFePO₄
Technology



Specification

Item	General Parameter	
MODEL	PowerLine - 5	
Nominal Voltage	51.2V	
Nominal Capacity	100Ah	
Compound Mode	1P16S	
Charging Voltage	58.4V	
Charge Current	Continuous Charging	50A
	Maximum Charge	100A
Discharge Current	Continuous Discharging	100A
Out Of Factory Voltage	50.4V-53.6V	
Self-discharge Rate	≤ 2.5% / Month	
Mode Of Equilibrium	Passive Equilibrium	
Temperature Of Charge	0°C~ + 65°C	
Temperature Of Discharge	-20°C~ + 65°C	
Dimension	670*540*90 ±1 mm	
Weight	50 ±1 kg	

Certification

Safety	IEC62619/CE/UL1973/UN38.3
Cell	IEC62619/UL1973/CE
Hazardous Materials Classification	Class 9
Transportation	UN38.3
IP Level	IP 22



100Ah cyclic curve



100AH cycle performance

