BSLBATT®
Best Solution Lithium Battery

Shopping for the best Tesla POWERWALL alternatives?

The power-wall model designed for indoor photovoltaic system is easily adaptable energy storage solution. The power-wall model are a family of 48V battery modules and accessories. The 48V family is designed as a drop-in replacement for similar sized lead-acid batteries offering twice the run-time and nearly half the weight.

The 48V series is designed for lower voltage,lower power and longer run-time applications. They are built with LFP Technology that offers outstanding intrinsic safety and excellent float and cycle life resulting in low cost.

Key Features

› Max Efficiency Up To 95%
› Emergency Power Supply
› Wall-mounted Or Stand
› Smart Cooling Technology
› Longer Life Cycle Time
› Design Modern and Compact
› Control Monitor and Optimize
› 10-Year Warranty

APPLICATIONS

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

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Lithium battery
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LiFePO4
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POWERWALL

Nominal Parameters

Battery Technology	Lithium iron Phosphate(LiFeP04)			
Model	B-LFP48-100PW	B-LFP48-150PW	B-LFP48-200PW	B-LFP48-240PW
Rated Voltage(V)	51.2	51.2	51.2	51.2
Rated Capacity(Ah)	100	150	200	240
Energy(kWh)	5.0	7.5	10.0	12.0
Dimension one(mm)	W490*H650*D147	W594*H850*D147	W490*H820*D147	W530*H920*D187
Dimension two(mm)	W630*H780*D160			
Weight(Kg)	68	80	90	120
Design life(25℃)	10 years			
Cycle life(80℃ DOD @25℃)	6000 cycles			

Electrical Characteristics

Voltage Range(V)DC	44.8 to 58.4V DC			
Standard charge current(A)	20A(0.2C)	30A(0.2C)	40A(0.2C)	48A(0.2C)
Standard discharge current(A)	20A(0.2C)	30A(0.2C)	40A(0.2C)	48A(0.2C)
Max continuous charge current(A)	100A(1C)	100A(0.67C)	100A(0.5C)	100A(0.42C)
Max continuous discharge current(A)	100-200A			
Battery Pack Round-Trip Efficiency	> 95% (under specific condition)			
Communication Interface	RS232/RS485/CAN			
DC Disconnect	Circuit Breaker, Contactor, Fuse			

Operating Conditions

Installation Location	Indoor / (stand wall-mounted)		
Operating Temperature	Charge	-10 to 45℃	
	Discharge	15 to 30℃	
	Storage	-10 to 45℃	
		25℃	6 months
		45℃	3 months
		60℃	1 month
Humidity	5% to 95%		
Altitude	Max. 2,000m		
Cooling Strategy	Natural Convection		

Certification

Safety	ULI1642/CE/RCM/FCC/TUV (IEC 62619) /UL1973
EMC	IEC61000-6-1 , IEC61000-6-3
Hazardous Materials Classification	Class 9
Transportation	UN38.3
IP LEVEL	IP54(IP65 Option)