

B-LFP48 SERIES

51.2V LiFePO4 Solar Wall Batteries

51.2V 10.24kWh/14.34kWh Battery



IP65 protection

51.2V 200Ah, 10.24kWh
51.2V 280Ah, 14.34kWh

The BSLBATT 51.2V 10.24kWh/14.34kWh home battery with IP65 enclosure is special designed for outdoor installations and utilizes LiFePO4 technology for increased safety and performance levels. The battery is particularly well suited for high power applications with limited installation space and long cycle life.

Modular and scalable

Maximum 16 in parallel

6000 Cycle Life @80% DOD

10-year warranty & technical support

30 days delivery period

For on-grid and off-grid

UL standard battery module

Compatible with multiple inverters

Safe and reliable LiFePO4

Model		ECO 10.0 Plus	ECO 15.0 Plus
Battery Type		LiFePO4	
Nominal Voltage (V)		51.2	
Nominal Capacity (Wh)		10240	14336
Usable Capacity (Wh)		9216	12902
Cell & Method		16S2P	16S1P
Dimension(mm)		519*762*148	470*908*262
Weight(Kg)		85±3	125±3
Discharge Voltage(V)		43.2	43.2
Charge Voltage(V)		57.6	58.4
Charge	Rate. Current / Power	80A / 4.09kW	140A / 7.16kW
	Max. Current / Power	100A / 5.12kW	200A / 10.24kW
	Rate. Current / Power	80A / 4.09kW	140A / 7.16kW
	Max. Current / Power	100A / 5.12kW	200A / 10.24kW
Communication		RS232, RS485, CAN, WIFI(Optional), Bluetooth(Optional)	
Depth Of Discharge(%)		80%	
Expansion		Up to 16 units in parallel	
Working Temperature	Charge	0~55℃	
	Discharge	-20~55℃	
Storage Temperature		0~33℃	
Short Circuit Current/Duration Time		350A, Delay time 500µs	
Cooling Type		Nature	
Protection Level		IP65	
Monthly Self-discharge		≤ 3%/month	
Humidity		≤ 60% ROH	
Altitude(m)		< 4000	
Warranty		10 Years	
Design Life		> 15 Years (25℃ / 77°F)	
Cycle Life		> 6000 cycles, 25℃	
Certification & Safety Standard		UN38.3, UL1973, UL9540A	