BSLBATT®
Best Solution Lithium Battery

Li-Pro SERIES

51.2V LiFePO4 Solar Wall Batteries



5.12kWh/10.30kWh/15.36kWh
Li-Pro 5120 / Li-Pro10240 / Li-Pro15360

BSLBATT Li-PRO Battery offers an option if you are looking for batteries to match your system. Comprehensive battery design and considering protection function makes sure our battery can have a perfectly performance while a long life time.

Li-PRO Battery is a 51.2V household battery based on LiFePO4, available in 5kWh / 10kWh / 15kWh capacities, with a maximum of 32 identical units in parallel, and superior IP65 protection.

- Module design, flexible expansion
- Tier One, A+ LiFePO4 cell composition
- Compact design, space saving
- Matching with leading inverters
- 6000 cycles @ 90% DOD
- Protection level: IP65

Specification

51.2V 5.12kWh/10.30kWh/15.36kWh Battery

Item			General Parameter	
Model		Li-Pro 5120	Li-Pro 10240	Li-Pro 15360
Battery Type		LiFePO4	LiFePO4	LiFePO4
Nominal Voltage (V)		51.2	51.52	51.2
Nominal Capacity (wh)		5120	10304	15360
Usable Capacity (wh)		4864	9788	14592
Cell & Method		16S1P	16S1P	16S1P
Dimension(mm)(W*H*D)		660*450*145	760*530*190	830(898)*560*235 (With wheels)
Weight(Kg)		50	90	122
Discharge Voltage (V)		47		
Charge Voltage (V)		55		
Charge	Rated Current / Power	80A / 4.096kW	160A / 8.192kW	150A / 7.68kW
	Peak Current / Power	110A / 5.632kW	210A / 10.752kW	210A / 10.752kW
Discharge	Rated Current / Power	100A / 5.12kW	200A / 10.24kW	200A / 10.24kW
	Max. Current / Power	120A / 6.144kW, 1s	220A / 11.264kW, 1s	220A / 11.264kW, 1s
	Peak Current / Power	150A / 7.68kW, 1s	250A / 12.80kW, 1s	250A / 12.80kW, 1s
Communication		RS232, RS485, CAN, WIFI, Bluetooth		
Depth Of Discharge(%)		95%		
Expansion		Up to 32 units in parallel		
Working Temperature	Charge	0~55℃		
	Discharge	-20~55℃		
Storage Temperature		0~35℃		
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℉）		
Cycle Life		> 6000 cycles, 25℃		
Certification		UN38.3	UN38.3 / IEC62619 / IEC62040 / CE-EMC	UN38.3 / IEC62619 / IEC62040 / IEC 62477 / CE-EMC

Note: Customized models and adjusted parameters are available upon request.

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