

BSL Batt Li-PRO

5 / 10 / 15 kWh

Modern Electricity Solution



Flexible, Contained, Economical

The BSL Batt Li-PRO series is a lithium battery solution offering options to satisfy your electric storage needs. With a compact and practical design, the BSL Batt Li-PRO series prioritizes system safety and excels for long-term use. This product is based on LiFePO4 battery technology with 51.2 V voltage and is available to you in 5, 10, and 15 kWh capacities.

Meticulously produced through strong research and development, as well as a high-precision automation system, this battery guarantees quality and wide-range compatibility with various inverter brands.



Operating on
GRADE A+
LiFePO4
Battery cells



6000 CYCLES
at 90% Depth of Discharge



IP65
Level Protection



**PRACTICAL &
SPACE-EFFICIENT
DESIGN**



MODULAR
Designed for easy expansion



5+5 WARRANTY
5 year warranty with options to
extend another 5 years further

SPECIFICATIONS

General Parameters

Model		Li-Pro 5120	Li-Pro 10240	Li-Pro 15360
Battery Type		LiFePO4	LiFePO4	LiFePO4
Nominal Voltage (V)		51.2	51.2	51.2
Nominal Capacity (wh)		5120	10240	15360
Usable Capacity (wh)		4608	9216	13824
Cell & Method		16S1P	16S1P	16S1P
Dimension(mm)(W*H*D)		660*450*145	760*530*190	900*660*220 (With base: 986.5*660*250)
Weight(Kg)		50	90	132 (With Base : 138)
Discharge Voltage (V)		47		
Charge Voltage (V)		55		
Charge	Rate. Current / Power	50A / 2.56kW	100A / 5.12kW	150A / 7.68kW
	Max. Current / Power	80A / 4.096kW	160A / 8.192kW	240A / 12.288kW
	Peak Current / Power	110A / 5.632kW	210A / 10.752kW	310A / 15.872kW
Discharging	Rate. Current / Power	100A / 5.12kW	200A / 10.24kW	300A / 15.36kW
	Max. Current / Power	120A / 6.144kW, 1s	220A / 11.264kW, 1s	310A / 15.872kW, 1s
	Peak Current / Power	150A / 7.68kW, 1s	250A / 12.80kW, 1s	400A / 20.48kW, 1s
Communication		RS232, RS485, CAN, WIFI(Optional), Bluetooth(Optional)		
Depth Of Discharge(%)		90%		
Expansion		Up to 32 units in parallel		
Working Temperature	Charge	0~55°C		
	Discharge	-20~55°C		
Storage Temperature		0~35°C		
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°C / 77°F)		
Cycle Life		> 6000 cycles, 25°C		

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

