



BSL Series

## B-LFP48-100

to replace lead acid GEL Or AGM



### PRODUCT FEATURES

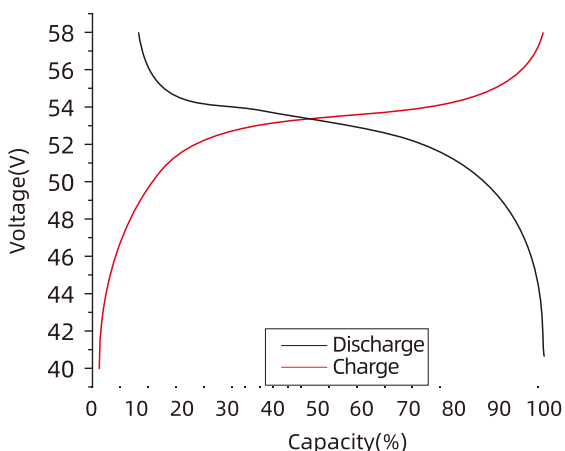
Designed for Power Energy Storage, Marine, RV, UPS, Lawn Mowers, Fish Finders, Access Control Systems, and House Alarm Security applications, BSLBATT's 48V 5120Wh lithium batteries last up to four times longer than lead-acid batteries. They are maintenance-free, lightweight, and easy to operate.

Our B-LFP48-100 model is equipped with the industry's leading LFP battery technology, featuring the safest lithium battery chemistry available today. This makes it an ideal choice for deep-cycle applications.

### CHARGE AND DISCHARGE CURVE

### DIMENSION

51.2V 100Ah Charge-Discharge Curve 0.5C, 25C



**Certification:** UL, FCC, CE, ROHS, UN38.3, IEC

<b>Battery Model</b>	B-LFP48-100
Nominal Voltage	51.2V
Typical Capacity	100 Ah
Energy	5120 Wh
<b>Discharge</b>	
Continuous discharge	100A
Max discharge	200A (10s)
Cut-off Voltage	About 44.8V/2.8V
<b>Charge</b>	
Voltage	58.4±0.1V
Working Current	0.5 C
Max Charging Current	≤ 1 C
Charge Mode	CC/CV, please use special lithium charger
Charging Cut-off Current	About 5 A
<b>Operation Temperature</b>	
Charge	0°C ~ +55°C
Discharge	-20°C ~ +60°C
<b>Additional Data</b>	
Parallel connection	Maximum 16 parallel connections, series connection not supported.
Communication protocol	Rs485 / CAN
Protocols	Victron, Deye
Storage Temperature	-20°C ~ +45°C
Discharging Inner Resistance	≤ 60 mΩ
Protection Function	Overcharge, over-discharge, over-current, short circuit and other protection functions
Safety	Fire Protection Mechanism
Output Mode	M8 Terminal
Shell Material	ABS
Weight	41 Kg
Dimension (L*W*H)	521*267*240(±2)mm
Serial/Parallel module	1P16S
Cycle	≥3500@ 80%DOD ( 0.5C, 25°C)

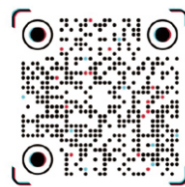
Note: Parameters can be adjusted according to customer requirements



Facebook



LinkedIn



Tiktok



Instagram



Youtube



Drop-in Replacement



Tier One, A+ LiFePO4 Cell Composition



5 Years Warranty Guarantee



Smart Hardware & Software Design



Long Service Life



Eco-Friendly