



LFP

BSLBATT LFP

THE HEIGHT OF PERFORMANCE



**BSLBATT**<sup>®</sup>

## A New Era in Energy Storage

### B-LFP48-100E 51.2V 100Ah

The LFP 51.2V 100Ah Energy Storage Systems are a family of 51.2V battery modules and accessories. The 51.2V 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 51.2V 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 of ownership.

Wisdom Power delivers safe lithium phosphate energy storage solutions in standard lead-acid battery sizes for a wide variety of applications.

## Feature

- Eco-friendly
- Lithium iron phosphate battery(LiFePO4)
- Currently the safest lithium technology
- Excellent resistance to abuse
- Less than 3% self discharging
- Maintenance-free, modular, and lightweight
- Up to 60% weight saving
- Battery monitoring storage history
- Built in safety protection
- Quality guaranteed
- 10 Years Warranty
- 15-18 Years Designed service life



## Application



Uninterrupted Power Supply



Marine application



Energy storage system



Floor sweeper



electric vehicle



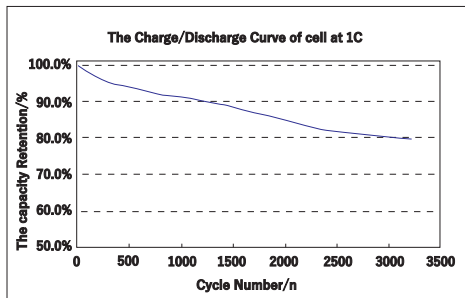
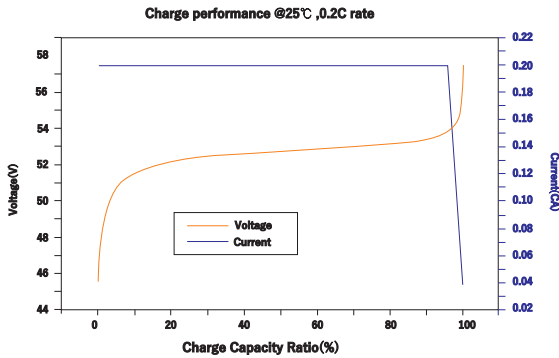
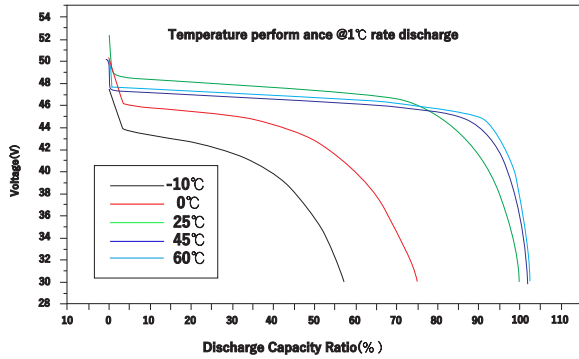
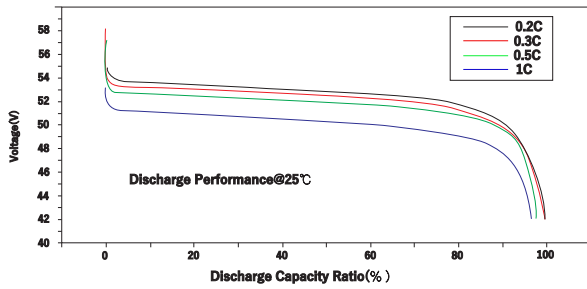
communication system

## Safe

BSLBATT® batteries are based on Lithium iron battery technology (LiFePO4). This is the safest Lithium technology available today. On top of that our bespoke casing and electronics further increase safety and durability.

## Technology

BSLBATT's BATTERIES do not contain lead. LiFePO4 technology is an environmentally friendly way to store energy.



### ELECTRICAL SPECIFICATIONS

Nominal Voltage	51.2V (16S)
Nominal Capacity	100 AH
Energy	5120 WH
Efficiency	99%
Self Discharge	<1% per Month

### DISCHARGE SPECIFICATIONS

Max. Continuous Discharge current	100A
Peak Discharge Current	160A
Standard Discharge current	30A
Voltage at end of Discharge	40-44V

### TEMPERATURE SPECIFICATIONS

Discharge Temperature	(-20~60 )
Charge Temperature	(0~45 )
Storage Temperature	(-20~55 )

### MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	442*520*177MM
Weight	50KG
Case Material	Steel
Cell Type	Prismatic
Chemistry	LiFePO4

### CHARGE SPECIFICATIONS

Recommended Charge Current	25A
Maximum Charge Current	50A
Recommended Charge Voltage	57.6-58.4V
Charge mode	CC/CV

### COMPLIANCE SPECIFICATIONS

Certifications	CE (battery)
	UN38.3 (battery)
	ROHS2.0 (cells)
Shipping Classification	UN 3480, CLASS 9

[www.lithium-battery-factory.com](http://www.lithium-battery-factory.com)



Certifications Applicable to the Design and Manufacture of Lithium Iron Phosphate Batteries

When it comes to reliability, our lithium batteries won't let you down. Contact your local distributor, visit [www.lithium-battery-factory.com](http://www.lithium-battery-factory.com) or talk to one of our Certified Wisdom Power.

Call International Calls: 0086 0752 2819469

