



LFP

BSLBATT LFP
THE HEIGHT OF
PERFORMANCE



SONNY
POWER

BSLBATT®

A New Era in Energy Storage

B-LFP12V-100Ah

The LFP 12V 100Ah Energy Storage Systems are a family of 12V battery modules and accessories. The 12V 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 12V 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.

BSL NEW ENERGY 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
- 3-5 Years Warranty
- 15-18 Years Designed service life



Application



Uninterrupted Power Supply



Marine application



Energy storage system



Floor sweeper



electric vehicle



communication system

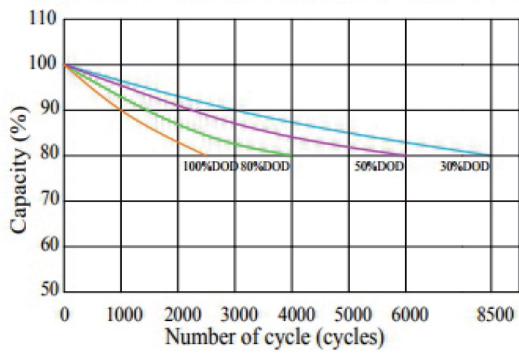
Safe

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.

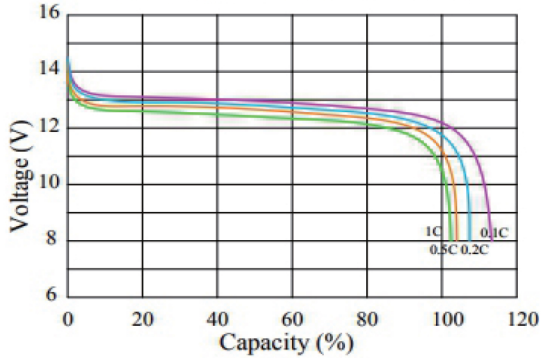
Technology

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

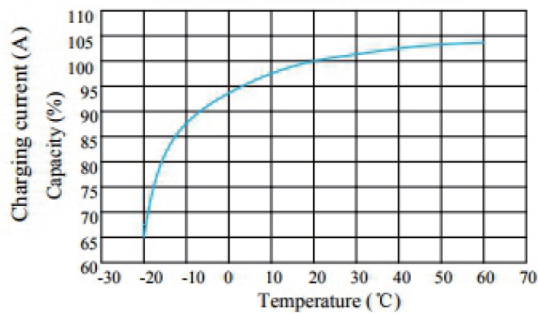
Cycle life in relation to depth of discharge at R.T



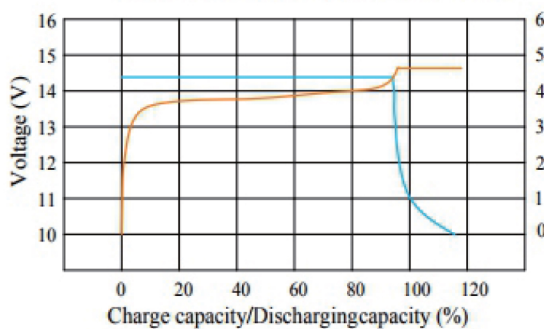
Discharge Performance at R.T



Temperature effects on capacity



Constant voltage charging characteristic



ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8 V
Nominal Capacity	100 AH
Energy	1280 Wh
Efficiency	99%
Self Discharge	<1% per Month

DISCHARGE SPECIFICATIONS

Max Continuous Discharge current	100 A
Peak Discharge Current	150 A
Max. Charge current	100 A
Cut-off Voltage	10 V

TEMPERATURE SPECIFICATIONS

Discharge Temperature	(-20~55°C)
Charge Temperature	(0~55°C)
Storage Temperature	(-20~55°C)

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	331.5*172.5*216±3 MM
Weight	11KG
Case Material	ABS
Cell Type	Prismatic
Chemistry	LiFePO4

CHARGE SPECIFICATIONS

Recommended Charge Current	25A
Maximum Charge Current	50A
Recommended Charge Voltage	14.6 V
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



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. visit www.lithium-battery-factory.com or talk to one of our sales representatives.

