BSLBATT®
Best Solution Lithium Battery

B-LFP48-30 LITHIUM-ION BATTERY

The Power Of Lithium

This 48V 30 Ah battery was designed specifically for golf cars(GC2) , Drop-in-Ready for Working with both 6 x 8V and 4 x 12V golf cart configurations like Club Car, EZGO, Icon, Polaris, Yamaha ect

MODEL	B-LFP48-30
VOLTAGE	51.2V (Display voltage: 52.8V)
NOMINAL CAPACITY	30Ah
CASE	ABS/FR
BATTERY	Deep-Cycle Lithium Iron Phosphate
COLOR	BLACK
CYCLE LIFE	> 2,000 Cycles @ 70% DOD*
INTELLIGENCE	Multiple Microprocessors, State of Charge Gauge with Aging Compensation, Current Sensor, Fuse, CAN Bus

FUNCTIONAL SPECIFICATIONS

Battery Types	lithium iron phosphate
Rated Capacity	30Ah
Nominal voltage	51.2V Display voltage: 52.8V
Operating Voltage Range	40V~57.6V Battery cell: 2.5V~3.65V
System Capacity	1.54KWh
Battery Group Solution	2P16S A boxful
IP Protection Level	Battery system IP54
Cycle Life	> 2000 times 25℃, 0.5C charge, 1C discharge, DOD 70% (soc 0~100%)
Battery System Weight	≤13KG
Calendar Life	12 years 25℃, SOC 100%, EOL 80%

TEMPERATURE SPECIFICATIONS

Operating Temperature Range A column temperature	Charge	0℃~55℃
	Discharge	-20℃ +55℃

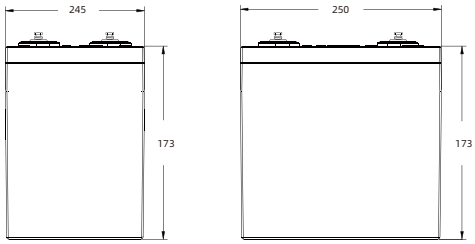
DISCHARGE SPECIFICATIONS

Maximum Continuous Charging Current	15A	10℃~45℃, 5% < SOC < 80%
Maximum Continuous Discharging Current	50A	5℃~50℃, SOC > 20%
Maximum Instantaneous Charging Current (10S)	30A	10℃~45℃, 5% < SOC < 80%
Maximum Instantaneous Discharging Current (10S)	70A	5℃~50℃, SOC > 20%
Standard Charging Current Is Recommended	< 10A	
Self-discharge rate/month (25℃, SOC100 %)	< 3%	

PHYSICAL SPECIFICATIONS

Battery Pack Factory SOC	50%
Battery SOC Operating Range	0-100%
Insulation Requirements	≥20MΩ/1000VDC 25℃ ± 5℃, RH50%
The Power Consumption Of The BMS	≤2W
SOC Theory Estimation Accuracy	±5%
Unit Voltage Acquisition Accuracy	±5mV Capture every single monomer
Temperature Acquisition Accuracy	±2℃ 4 road
Current Acquisition Accuracy	≤ ± 0.5% FSR
Equalizing Current	≤ 70mA Passive equalization
Protect Function	Over-current protection, over-discard protection, over-discharge protection, high and low temperature protection, abnormal alarm function.

DIMENSIONAL SPECIFICATIONS



FIVE YEAR COST COMPARISON Between BSLBATT & LEAD ACID BATTERIES

	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
	$ Cost Of Battery	Installation	Maintenance	Maintenance	Maintenance	Battery Change
	$$$$	$$				
					Total	$$$$$$
	$$	$	$	$	$	$$
					Total	$$$$$$$$

BSLBATT 48V vs LEAR-ACID Golf Car Range by Miles

	Standard 48V Lead Acid (Six at 8V or Four at 12V)	ONE BSLBATT Battery	Two BSLBATT Batteries	Three BSLBATT Batteries	Four BSLBATT Batteries	Five BSLBATT Batteries	Six BSLBATT Batteries
Miles	15-25	12-17	24-34	36-51	48-70	60-85	72-102

51.2V Lithium

www.lithium-battery-factory.com

Do not mix with lead-acid batteries when recycling
*To 70% initial capacity

The Power Of Lithium B-LFP48-30

LITHIUM-ION BATTERY

LiFePO4 GOLF CART BATTERY	Lead-acid GOLF CART BATTERY
10 years design life	**1-2 years** design life
5 years warranty	**1-2 years** warranty
up to **2.5 hours** fast charge	**8 hours** fast charge
0 maintenance	**Frequent** maintenance

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Structural Differences in the BSLBATT Golf Cart Series

Grade A Cells Only

☑ Prismatic cells, more stable and cell consistency, and life cycle be longer

State-of-the-Art Construction

☑ By limiting the current module, when charger will be safer

Bluetooth Monitoring

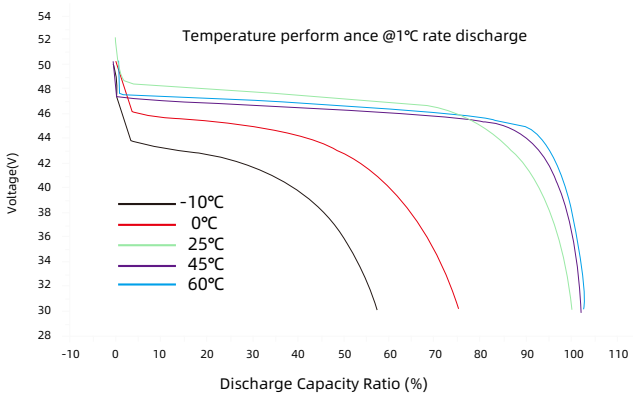
☑ WIth blue tooth can check cell parameters accordingly

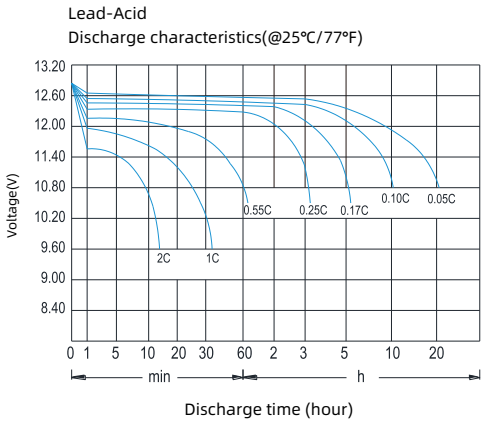
Fits Like A Glove

☑ Conveniently for end-users to install easily

TECHNICAL BSLBATT Lithium CURVE

Environment Temperature:25℃ | Discharge current:0.5C/1C/3C/5C





BSLBATT Lithium battery has a longer constant stable curve during discharge