

They are designed to replace the lead-acid battery, which are available for drop-in replacement in the Club Car and EZ-GO etc. vehicles nicely.

- MODEL** B-LFP48-50GC
- VOLTAGE** 51.2V (Display voltage: 52.8V)
- NOMINAL CAPACITY** 52Ah
- CASE** ABS/FR
- BATTERY** Lithium-iron (LFP)
- COLOR** BLACK
- CYCLE LIFE** 3500 @80%DOD
- INTELLIGENCE** Multiple Microprocessors, State of Charge Gauge with Aging Compensation, Current Sensor, Fuse, CAN Bus



**ELECTRICAL SPECIFICATIONS**

Battery Types	Lithium-iron (LFP)
Rated Capacity	52Ah
Nominal Voltage	51.2V Display voltage: 52.8V
Operating Voltage Range	40V~57.6V Battery cell: 2.5V~3.65V
System Capacity	2.662 kWh
Battery Group Solution	1P16S A boxful
IP Protection Level	Battery system IP54
Cycle Life	> 3500 times 25°C, 05C charge, 1C discharge, DOD 70% (soc 0~100%)
Battery System Weight	28KG
Calendar Life	12 years 25°C, SOC 100%, EOL 80%

**TEMPERATURE SPECIFICATIONS**

Operating Temperature Range A Column Temperature	Charge	0°C~55°C
	Discharge	-20°C +55°C

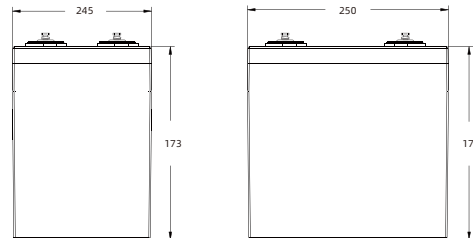
**DISCHARGE SPECIFICATIONS**

Maximum Continuous Charging Current	30A	10°C~45°C, 5% < SOC < 80%
Maximum Continuous Discharging Current	80A	5°C~50°C, SOC > 20%
Maximum Instantaneous Charging Current (10S)	50A	10°C~45°C, 5% < SOC < 80%
Maximum Instantaneous Discharging Current (10S)	150A	5°C~50°C, SOC > 20%
Standard Charging Current Is Recommended	< 25A	
Self-discharge Rate/Month (25°C, SOC100%)	< 3%	








**PHYSICAL SPECIFICATIONS**

Battery Pack Factory SOC	50%
Battery SOC Operating Range	0~100%
Insulation Requirements	≥20MΩ/1000VDC 25°C ± 5°C, RH50%
The Power Consumption Of The BMS	≤3W
SOC Theory Estimation Accuracy	±5%
Unit Voltage Acquisition Accuracy	±5mV Capture every single monomer
Temperature Acquisition Accuracy	±2°C 4 road
Current Acquisition Accuracy	≤ ± 0.5% FSR
Equalizing Current	≤ 100mA Passive equalization
Protect Function	Over-current 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
 <b>\$ Cost Of Battery</b>	\$\$\$	\$			
 <b>Installation</b>					
 <b>Maintenance</b>					
 <b>Maintenance</b>					
 <b>Maintenance</b>					
 <b>Battery Change</b>					
<b>Total</b>					\$\$\$\$\$
 <b>\$</b>	\$	\$	\$	\$	\$
<b>Total</b>					\$\$\$\$\$

**BSLBATT 48V vs LEAD-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



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

# B-LFP48-50 LITHIUM-ION BATTERY GOLF



## STRUCTURAL DIFFERENCES IN THE BSLBATT GOLF CART SERIES

### Each Cell Is Encased In Aluminum

- ✔ Provides dimensional stability

### Steel Battery Bracket

- ✔ Provides vibration and shock resistance

### External Heat Sink Keeps

- ✔ BMS cool by providing heat dissipation to outside

### BMS Bolted To Heat Sink

- ✔ Reduces vibration and prevents accidental faults due to vibration and it extends battery life

### Bolted Connections To BMS

- ✔ Provides stable mechanical and electrical connections

### Positive And Negative BusBar

- ✔ Creates an exceptional current collector

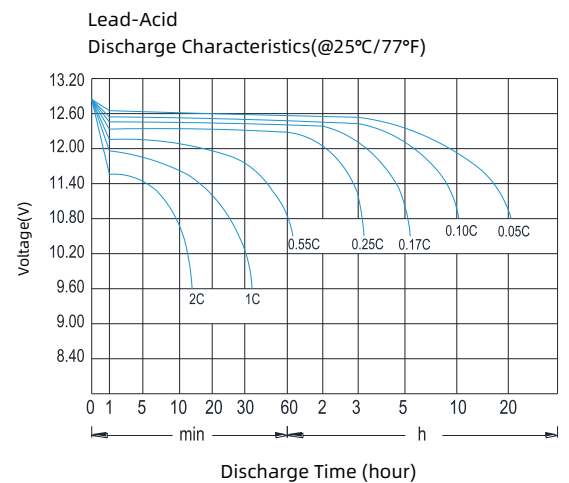
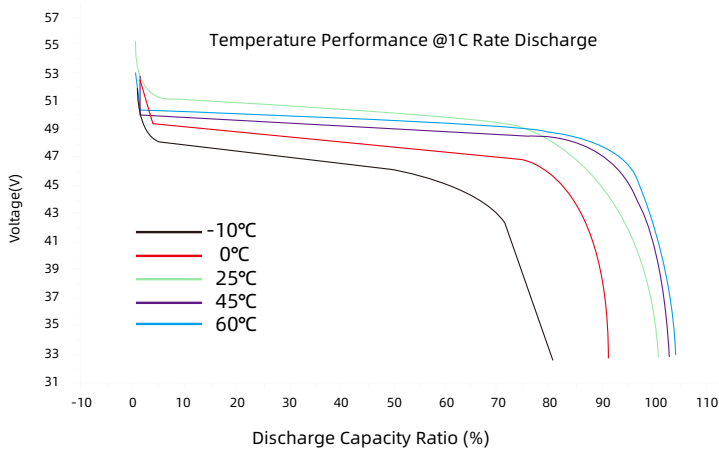
### IP54 Rated Casing

- ✔ Ensures water, dust and splash-resistance

## TECHNICAL BSLBATT LITHIUM CURVE

ENVIRONMENT TEMPERATURE: 25°C

DISCHARGE CURRENT: 0.5C/1C/3C/5C



BSLBATT lithium battery has a longer constant stable curve during discharge.