

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-LFP48-104
- VOLTAGE** 51.2V (Display voltage: 52.8V)
- NOMINAL CAPACITY** 104Ah
- CASE** METAL/FR
- BATTERY** Deep-Cycle Lithium Iron Phosphate
- COLOR** BLACK
- CYCLE LIFE** > 3,000 Cycles @ 70% DOD*
- INTELLIGENCE** Multiple Microprocessors, State of Charge Gauge with Aging Compensation, Current Sensor, Fuse, CAN Bus



ELECTRICAL SPECIFICATIONS

Battery Types	lithium iron phosphate
Rated Capacity	104Ah
Nominal voltage	51.2V Display voltage: 52.8V
Operating Voltage Range	40V~57.6V Battery cell: 2.5V~3.65V
System Capacity	5.325KWh
Battery Group Solution	2P16S A boxful
IP Protection Level	Battery system IP54
Cycle Life	> 3000 times 25°C, 05C charge, 1C discharge, DOD 70% (soc 0~100%)
Battery System Weight	45KG
Calendar Life	12 years 25°C, SOC 100%, EOL 80%

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.

DISCHARGE SPECIFICATIONS

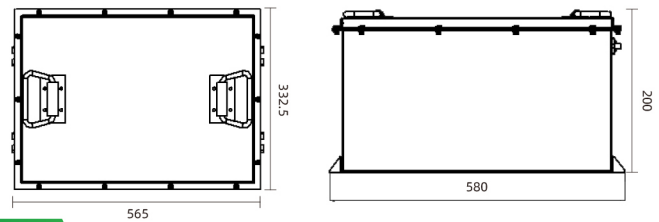
Maximum Continuous Charging Current	50A 10°C~45°C, 5% < SOC < 80%
Maximum Continuous Discharging Current	150A 5°C~50°C, SOC > 20%
Maximum Instantaneous Charging Current (10S)	100A 10°C~45°C, 5% < SOC < 80%
Maximum Instantaneous Discharging Current (10S)	300A 5°C~50°C, SOC > 20%
Standard Charging Current Is Recommended	< 30A
Self-discharge rate/month (25°C, SOC100%)	< 3%

TEMPERATURE SPECIFICATIONS

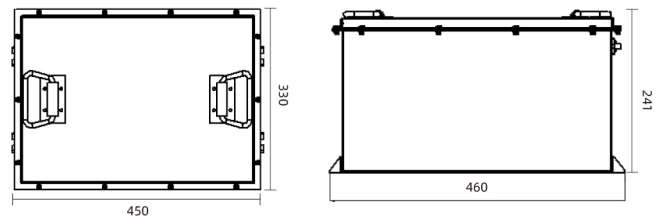
Operating Temperature Range A column temperature	Charge	0°C~55°C
	Discharge	-20°C +55°C

DIMENSIONAL SPECIFICATIONS

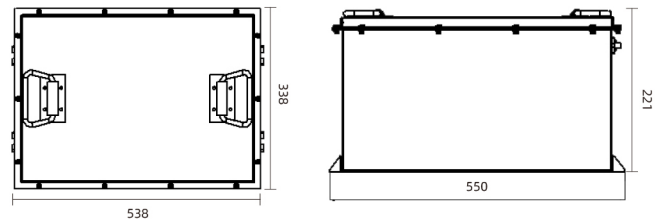
B-LFP48-100A



B-LFP48-100B



B-LFP48-100C



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					\$\$\$\$\$\$
\$ Cost Of Battery	\$				
Installation	\$				
Maintenance		\$			
Maintenance			\$		
Maintenance				\$	
Battery Change					\$
Total					\$\$\$\$\$\$\$\$



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

PROVIDED BY SONNY POWER



B-LFP48-100A 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

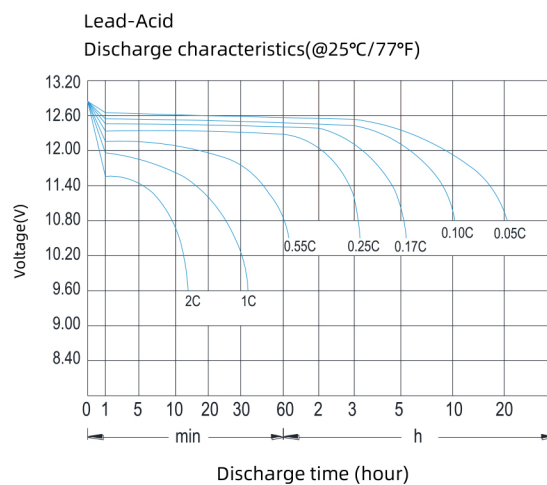
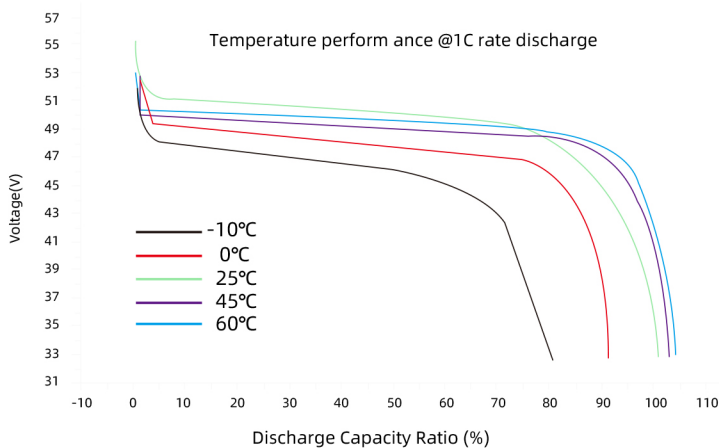
IP54 Rated Casing

- ✔ 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