B-LFP48-80A LITHIUM-ION BATTERY

BSLBATT®
Best Solution Lithium Battery

GOLF

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-LFP48-80
VOLTAGE	51.2V (Display voltage: 52.8V)
NOMINAL CAPACITY	80Ah
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	80Ah
Nominal voltage	51.2V Display voltage: 52.8V
Operating Voltage Range	40V~57.6V Battery cell: 2.5V~3.65V
System Capacity	4.096KWh
Battery Group Solution	1P16S A boxful
IP Protection Level	Battery system IP54
Cycle Life	> 3000 times 25℃, 05C charge, 1C discharge, DOD 70% (soc 0~100%)
Battery System Weight	45KG
Calendar Life	12 years 25℃, SOC 100%, EOL 80%

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	≤3W
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	≤ 100mA Passive equalization
Protect Function	Over-current protection, over-discard protection, over-discharge protection, high and low temperature protection, abnormal alarm function.

DISCHARGE SPECIFICATIONS

Maximum Continuous Charging Current	50A 10℃~45℃, 5% < SOC < 80%
Maximum Continuous Discharging Current	100A 5℃~50℃, SOC > 20%
Maximum Instantaneous Discharging Current (10S)	200A 10℃~45℃, 5% < SOC < 80%
Maximum Instantaneous Discharging Current (3S)	300A 5℃~50℃, SOC > 20%
Standard Charging Current Is Recommended	< 30A
Self-discharge rate/month (25℃, SOC100 %)	< 3%

TEMPERATURE SPECIFICATIONS

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

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	$$$$$$$$

51.2V Lithium

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

www.lithium-battery-factory.com

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

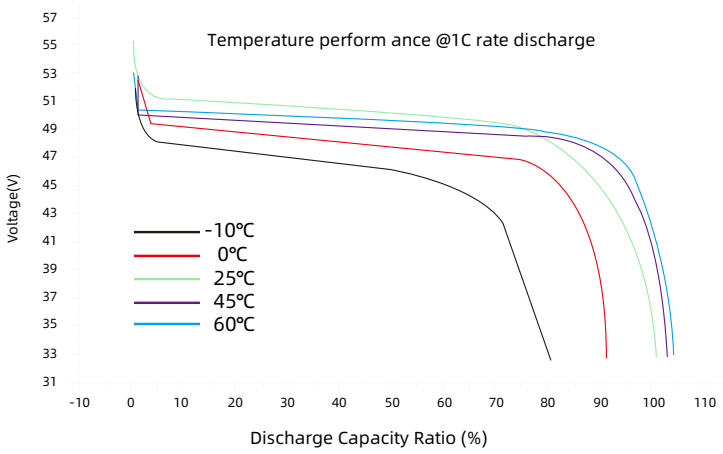
Bolted Connections to BMS
☑ Provides stable mechanical and electrical connections

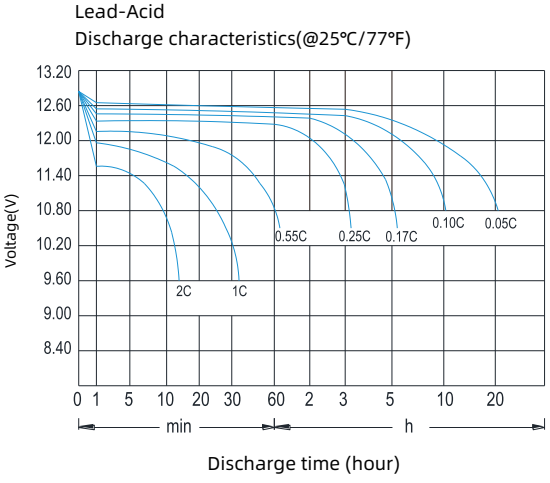
Positive and Negative BusBar
☑ Creates an exceptional current collector

IP54 Rated Casing
☑ Ensures water, dust and splash-resistance

TECHNICAL BSLBATT Lithium CURVE

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





BSLBATT Lithium battery has a longer constant stable curve during discharge