BSLBATT®
Best Solution Lithium Battery

GOLF LiFePO4 Battery
B-LFP-36-105



MODEL	B-LFP-36-105GC-A
NOMINAL VOLTAGE	38.4V
NOMINAL CAPACITY	105AH
CELL CHEMISTRY	Lithium Iron Phosphate (LiFePO4)
CYCLE LIFE	≥4500 cycles at 25℃, 0.5C rate, 80% DOD to 80% of initial capacity

SAFETY & INTELLIGENCE

- Continuous voltage, current, and temperature monitoring
- Six redundant safety protections using Level 4 fuses.
- Multiple battery disconne ts and Microprocessors
- CAN-Bus Communication
- SOC can check the power at any time
- Bluetooth (Optional)

PHYSICAL SPECIFICATIONS

Dimensions L*W*H Inches (MM)	19.49*12.99*9.06(495*330*230)
Weight LBS (KG)	92.1(41)
Terminal Type	M8
Estimated Range: Miles (KM)	30-40 (48-64)
Protection Level	Ip67
Shell Material	iron
Handle Material	Metal
Calendar Life	12years 25℃ · SOC 100% ,EOL 80%
Battery pack factory SOC	50%
Battery SOC operating range	0-100%

PHYSICAL PRECISION

Insulation requirements	≥20MΩ/1000VDC 25℃±5℃ RH50%
Unit voltage acquisition accuracy	±5mV Capture every single monomer
Balanced current	30mA ±10 passive balance
BMS power consumption	≤3W
Temperature acquisition accuracy	±2℃
SOC theoretical estimation accuracy	±5%
Current acquisition accuracy	≤ ± 0.5% FSR

ELECTRICAL SPECIFICATIONS

Nominal Voltage (V)	38.4
Operating Voltage	30V to 43.8V Battery cell: 2.5 ~3.65V
Capacity AMP Hours (AH)	105AH
Energy (WH)	4,032 Wh
Self-Discharge	1-3% per month
Battery Group Solution	12S1P A boxful

TEMPERATURE SPECIFICATIONS

Discharge temperature range	-4°F to 140°F (-20℃ to 60℃)
Charge Temperature Range	32°F to 131°F (0℃ to 55℃)
Storage Temperature Range	-4°F to 140°F (-20℃ to 60℃)

SAFETY AND FEATURES

Protection function	Short Circuit Protection Overheat Protection Overcharge Protection	Over-discharge Protection Overcurrent Protection Real-time Temperature Monitoring
Battery Insurance	PICC	
Battery case function	Switch sleep button Pressure relief valve	
Battery certification	UL/CE/IEC/UN38.3	

DISCHARGE SPECIFICATIONS Performance and System @77°F (25℃)

Maximum Continuous Discharge Current	250A
Maximum Pulse Discharge Current (30 sec)	300A
Maximum Instantaneous Discharge Current (2 sec)	600A

CHARGING SPECIFICATIONS

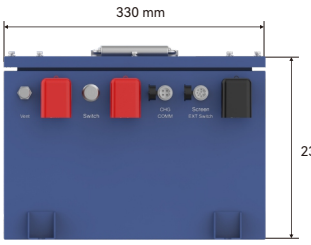
Recommended Standard Charger Current	≤30A
Maximum Continuous Charging Current	50A 50°F~113°F (10℃~45℃), 5% < SOC < 80%
Maximum instantaneous charging current (10S)	105A 50°F~113°F (10℃~45℃), 5% < SOC < 80%

www.lithium-battery-factory.com

Designed and finally processed by China
BSLBATT Battery Company, the batteries are manufactured in China.

All data based on the BSLBATT standard test procedure with 2 passengers on a flat road.









Charging transfer charger

Meter





Display extended wire

Charger accessories





Recharger

USB to CAN (Optional)





Fixed plate

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
	$$$$				
				Total	$$$$
	$$	$	$	$	$	$$
					Total	$$$$$$$$

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

Bolted Connections To BMS
☑ Provides stable mechanical and electrical connections

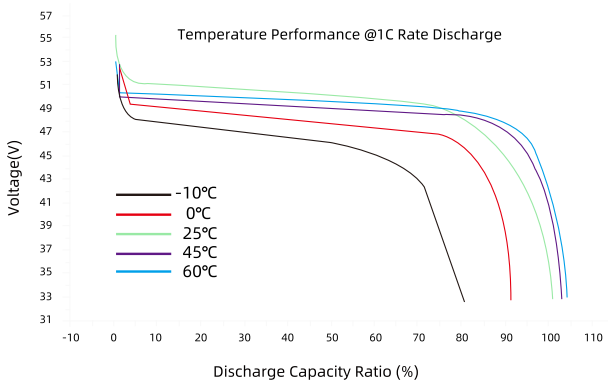
Positive And Negative BusBar
☑ Creates an exceptional current collector

Ip65 Rated Casing
☑ Ensures water, dust and splash-resistance

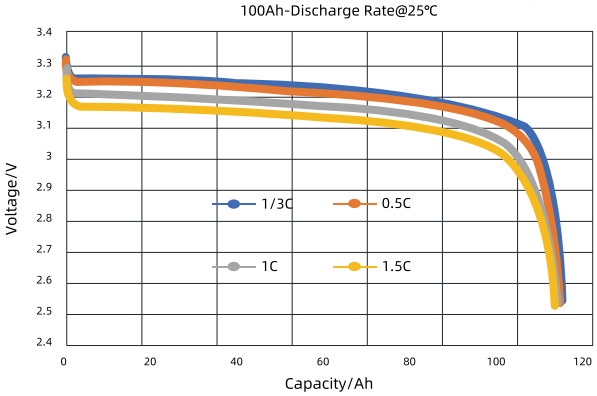
BMS Bolted To Heat Sink
☑ Reduces vibration and prevents accidental faults due to vibration and it extends battery life

TECHNICAL BSLBATT LITHIUM CURVE

ENVIRONMENT TEMPERATURE:25℃



CHARGING CONDITION: 1C CC-CV to 3.65V, cutoff 0.05C @25℃;



©2026 BSLBATT New Energy Technology Co., Ltd. All rights reserved. In no event shall BSLBATT Battery Company be liable for damages resulting from any information provided or omitted from this publication.

BSLBATT Battery Company reserves the right to make adjustments to this publication at any time without prior notice or obligation.

BSLBATT Best Solution Lithium Battery

inquiry@bsl-battery.com