LIFEPO4 LITHIUM BATTERY

G48-105LFP A-SHORT



GOLF & LIGHT EV

Series	G-SERIES LFP	Warranty	See Warranty Terms
Volts	48	Design	Golf / Light EV
Terminal Type		M8	
Included Hardware		M8 stainless bolts & washers	

Charge | Discharge

Charge Voltage Range	56.0 - 58.4V
Recommended End of Discharge Voltage	48.0 V
End of Discharge Protection Voltage	40.0 V
Recommended Charge Voltage	57.6 V
Recommended Charge Current	

0~10°C (32-50°F)	0.2C	21A
10~35°C (50-95°F)	0.5C	52A
35~50°C (95-122°F)	0.2C	21A

Charge Mode:
• Charge at recommend voltage & current by temperature until charge current drops to ≤ 0.05C (CC,CV)
• DO NOT USE TEMPERATURE COMPENSATION
• No BTS (Battery Temperature Sensor)

Max Continuous Charge Current	100 A
Max Continuous Discharge Current	200 A
Peak Discharge Current (10 min)	200 A
Charge Temperature Range	0°C~55°C (32~131°F)
Discharge Temperature Range	-20°~60°C (-4~140°F)
Storage Temperature Range	-5°~45°C (23~113°F)

Capacity

Nominal Capacity	105 AH
Total Energy	5.38 kWh
Nominal Voltage	51.2 V

Safety

- Prismatic LiFePO4 cells (UL1642) (UL2580)
- IEC62619(cell), UN38.3 (cell/pack)
- ROHS (cell), CE system certification, IP65 Rating

Design

- Fast charge/discharge performance
- Up to 200A / 10 minute peak discharge
- Maintenance-free operation
- Bluetooth Connectivity & dedicated IOS & Android App

Battery Management System (BMS)

- Integrated hardware BMS inside
- Independent charge & discharge protection
- 48V surge current limits – 300A (30 sec), 500A (3 sec)
- Short-Circuit Protection, Over-Voltage Protection, Low-Voltage Protection, Over-Current Protection, Low-Temperature Protection, Over-Temperature Protection
- Included dash mount state-of-charge & voltage indicator & cabling

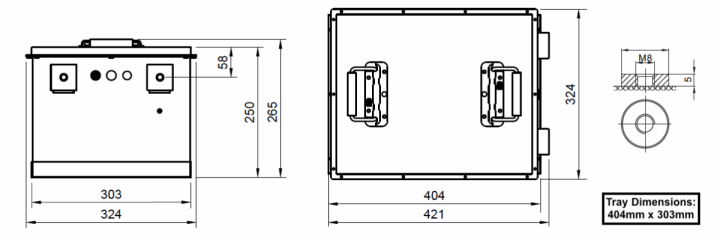
48V LFP Profile

Specifications		
Weight	45 kg	99 lbs
Length	421 mm	16.57"
Width	324 mm	12.75"
Height	250 mm	9.84"
Height Incl. Term.	265 mm	10.43"

Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process & battery components.

Container	Metal
Handles	Integrated Top Mount
Internal BMS Model	16S200A
Expected Cycle Life	>6000 @ 80% DOD, >3000 @ 100% DOD
Series Connection	1 UNIT MAX
Parallel Connection	4 UNITS MAX

Detailed Illustration



ISO9001 ISO14001 OHSAS18001

Rev.#1 | June 2025