# LIFEPO4 LITHIUM BATTERY

# G48-105LFP B-LONG



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

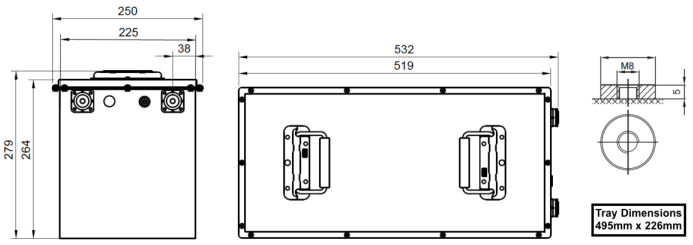
## Specifications

| | | |
|---|---|---|
| Weight | 45 kg | 99 lbs |
| Length | 532 mm | 20.94" |
| Width | 250 mm | 9.84" |
| Height | 264 mm | 10.39" |
| Height Incl. Term. | 279 mm | 10.98" |

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

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