

100AH LITHIUM BATTERY

CATEGORY:

LITHIUM BATTERIES

MODEL TYPE:

GP-LiFePO4-100

IDEAL FOR:



**10 YEAR
PRORATED
WARRANTY**

**ONLY SUITABLE FOR 12-VOLT
APPLICATIONS.**

DO NOT WIRE IN SERIES.



GP-LiFePO4-100

Go further off-the-grid with the new Go Power! 100ah Lithium Iron Phosphate solar battery. Built specifically for mobile applications, this deep cycle battery is ideal for life on the road. Lithium technology offers a lightweight, safe alternative to traditional batteries, giving almost double the usable capacity of Lead Acid. The GP-LiFePO4-100 provides 100 amp-hours of DC power. Use on its own or connect up to four together to build a powerful battery bank.

KEY FEATURES



**INTERNAL BATTERY
MANAGEMENT SYSTEM
(BMS)**



MAX POWER CAPACITY



**MAINTENANCE FREE /
SEALED CONSTRUCTION**



**DROP IN REPLACEMENT
FOR GROUP 31 LEAD
ACID OR AGM**



LIGHTWEIGHT



ETL CERTIFIED



QUICK CHARGING



**IP68 WATERPROOF
(SHOULD NOT BE
SUBMERGED)**



UL Recognized
Component
MH29024



P: +1 866 247 6527
E: sales@gopowersolar.com
W: gopowersolar.com

201 - 710 Redbrick St,
Victoria, British Columbia,
Canada, V8T 5J3

SPECIFICATIONS

Technology	Lithium Iron Phosphate
Nominal Voltage	12.8 V
Rated Capacity ¹	100Ah
Absorption Voltage	14.2 to 14.4 V
Float Voltage	14.0 to 14.2 V
Equalize Voltage (if applicable)	14.2 to 14.4 V (same as absorption)
Absorption Time	60 to 120 minutes
Temperature Compensation	No
Charge Cut-off Voltage	14.6 V
Discharge Cut-off Voltage	8.4 V
Recommended Charge Current	50A
Maximum Charge Current	100A
Maximum Discharge Current	100A (continuous) 120A (30 minutes) 200A (5 seconds)
BMS Protection	High/low voltage Short circuit High/low temperature Cold charging
Internal Resistance	≤ 7.5 mΩ
BMS Leakage Current	≤ 3mA
Operating Temperature	Charge: 32°F (0°C) to 131°F (55°C) Discharge: -4°F (-20°C) to 131°F (55°C)
Storage Temperature	1 Week: -4°F (-20°C) to 122°F (50°C) 1 month: -4°F (-20°C) to 113°F (45°C) 6 months ² : -4°F (-20°C) to 104°F (40°C)
Humidity	Operating: 5% to 90 % RH Storage: 45% to 85% RH
Certifications	UN 38.3; CE; UL 2054
Cycle Life ³	3000-5000 cycles
Product Warranty	10-year (Prorated)
Dimensions (L x W x H)	12.9" x 7" x 9.2" 328 x 178 x 233.7 mm
Net Weight	36 lbs / 16.3 kg

¹ Rated Capacity tested at 77°F (25 ± 5 °C)

² Maximum storage time before recharging is 6 months

³ Cycle Life tested at 77°F (25°C)

Specifications may be subject to change. Product may not be exactly as shown.
Specifications subject to local environmental conditions.

MECHANICAL

Length	12.9 in / 328 mm
Width	6.5 in / 165 mm
Height	9.2 in / 233.7 mm
BCI Group #	31
Weight	36 lbs / 16.33 kg
Terminals	M8 insert Torque: 10.8 - 12.7 Nm (95.59 - 112.40 in*lbs)
Carrying	Nylon Strap

MATERIALS

Case and Cover	ABS
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UNIT DIMENSIONS



PLEASE NOTE

Lithium batteries ship under Class 9 Dangerous Goods PI 965 Section IA, which requires special carrier instructions. Please contact your carrier company to determine their requirements for shipping.

MSDS Sheets are available upon request.



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