

100AH ADVANCED LITHIUM BATTERY

CATEGORY:

LITHIUM BATTERIES

MODEL TYPE:

GP-ADV-LIFEPO4-100

IDEAL FOR:



**10 YEAR
PRORATED
WARRANTY**

SYSTEM CONTROL AT YOUR FINGERTIPS

Unlock the full potential of your RV's power system with the Go Power! Connect app!

Get real-time insights into your solar charging stats, battery levels, and power consumption on your mobile device. Monitor performance, and set inverter and charging parameters. Available on the iOS and Android app store.



GP-ADV-LIFEPO4-100

Advanced 12V 100Ah Lithium Battery adds enhanced safety and communication features to our flagship lithium battery line. This lightweight, Bluetooth®-enabled LiFePo4 battery has an advanced BMS, temperature management system, a built-in DC heater, and auto-cell balancing for larger battery banks. Can be wired in series or parallel. ETL listed to UL specifications and UKCA certified.

KEY FEATURES



**BLUETOOTH® - ENABLED,
SMART FEATURES**



**IP67 WATERPROOF
(SHOULD NOT SUBMERGE)**



**BUILT IN DC
HEATER**



**INTERNAL BATTERY
MANAGEMENT SYSTEM**



**POWERTRAK
COMPATIBLE**



QUICK CHARGING



LIGHTWEIGHT



UKCA CERTIFIED

**UK
CA**

UN38.3



CE



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SPECIFICATIONS	
Technology	Lithium Iron Phosphate
Nominal Voltage	12.8 V
Fully Charged Voltage (FC)	14.6V
Fully Discharged Voltage (FD)	9.2V
Capacity	100Ah
Recommended Discharge Current	100A
Battery Discharge Terminated Voltage	9.2V
Battery Charge Voltage	14.2V
Maximum Charge Current	100A
Discharge Cut-off Voltage	8.4V
Max Continuous Discharge Current	200A
Max Continuous Discharge	200A
Max Discharge Current (Surge)	400A
Discharge Cut-off Voltage	8.4 V
Recommended Charge Current	20A - Battery pack at 32°F~41°F / 0°C~5°C & 113°F~131°F / 45°C ~ 55°C
	50A - Battery pack at 41°F ~ 59°F / 5°C ~ 15°C
	100A - Battery pack at 59°F~113°F/ 15°C ~ 45°C
Standard Charge Method	0.2C CC (constant current) charge to FC, then CV (constant voltage FC) charge till charge current decline to $\leq 0.05C$
Inner Resistance	$\leq 10\text{ m}\Omega$
Certifications	ETL, CE, UKCA, UN38.3, UL 2054
Operating Temperature	Charge: -4°F (-20°C) to 131°F (55°C)
	Discharge: -4°F (-20°C) to 131°F (55°C)
Storage Temperature ¹ (50% SOC and shutdown mode storage)	18 months: -4°F (-20°C) to 77°F (25°C) Max 80% RH
	3 months: 77°F (25°C) to 113°F (45°C) Max 80% RH
	1 month: 113°F (45°C) to 140°F (60°C) Max 80% RH
Recommended Storage Temperature	68±5°F (20±5°C)
Humidity	Operating: 5% to 90 % RH
	Storage: 45% to 85% RH
BMS Leakage Current	35mA in on mode; <20µA during off mode

MECHANICAL	
Length	12.4 in / 315 mm
Width	6.9 in / 175 mm
Height	8.7 in / 221 mm
Weight	28.7 lbs / 13 kg
Terminals	P+/P- : M8 Torque: 10.8 - 12.7 Nm (95.59 - 112.40 in*lbs)
Carrying	Recessed Handles
MATERIALS	
Case and Cover	ABS

BATTERY CONNECTION CABLES

*SOLD SEPARATELY



PART NUMBER	FUNCTION
GP-RVC-BCR-ADV LFP TERMINATOR	Battery End Cap Terminating Resistor
GP-ADV-BC-400-ADV LFP INTER-BATT HARNESS, 400MM	100Ah Battery Inter-Connect Cable
GP-RVC-BC-ADV LFP RV-C SYSTEM HARNESS	System Connection Cable

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

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)

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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