100AH 12V ADVANCED LITHIUM BATTERY

SMART, BLUETOOTH®-ENABLED, HIGH-PERFORMANCE SOLAR POWER STORAGE

UL CERTIFIED

CE

UK CA UN38.3

Model #: GP-ADV-LiFePO4-100

FEATURES:

- Bluetooth®-enabled, smart features
- Can be used with lithium compatible Go Power! solar, inverters and charge controllers
- Built-in smart DC heater
- Max Power Capacity; carries almost double the power of regular batteries
- Lightweight
- UKCA Certified
- Quick-charging
- IP68 waterproof (should not be submerged)
- Internal Battery Management System (BMS) protects against:
  - Over and under voltage
  - Over and under temperature
  - Charge and discharge over current
  - Short circuit
- **10-year warranty**

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	8.4 V
Recommended Charge Current	20A - Battery pack at 0°C~5°C & 45°C ~ 55°C
	50A - Battery pack at 5°C ~ 15°C
	100A - Battery pack at 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 ≤ 0.05C
Inner Resistance	≤ 10 mΩ
Certifications	ETL, CE, UKCA, UN38.3, UL 2054
Operating Temperature	Charge: 32°F (0°C) to 113°F (45°C)
	Discharge: -4°F (-20°C) to 131°F (55°C)
Storage Temperature Range[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 ON mode, 20uA OFF mode

[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.

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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)

UNIT DIMENSIONS

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

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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