

BATTERY SPECIFICATIONS

SPECIFICATIONS	
Technology	Lithium Iron Phosphate
Nominal Voltage	12.8 V
Fully Charged Voltage (FC)	14.6V
Fully Discharged Voltage (FD)	9.2V
Capacity (Ah)	100Ah
Recommended Discharge Current	100A
Battery Discharge Terminated Voltage	9.2V
Recommended Charge Voltage	14.2V
Maximum Charge Current	100A
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	0.5C CC (constant current) charge to FC, then CV (constant voltage FC) charge till charge current decline to $\leq 0.05C$
Inner Resistance	$\leq 10m\Omega$
Certifications	UL2054, CE, UKCA, UN38.3
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	1 month > 113°F (45°C) to 140°F (60°C) - Max 80% RH
	3 months > 77°F (25°C) to 113°F (45°C) - Max 80% RH
	6 months > 68°F (20°C) to 77°F (25°C) - Max 80% RH
Humidity	Operating: 5% to 90 % RH Storage: 45% to 85% RH
BMS Leakage Current	20uA in Shutdown Mode
Terminal	P+ / P- : M8
Dimensions (LxWxH)	12.4in x 6.9in x 8.7in (313.9mm x 174.1mm x 221mm)
Weight	26.5lbs (12kg)

¹77°F (20°C) ± 5 is the recommended storage temperature at 60% State of Charge while being in Power Off mode.



Scan for full manual

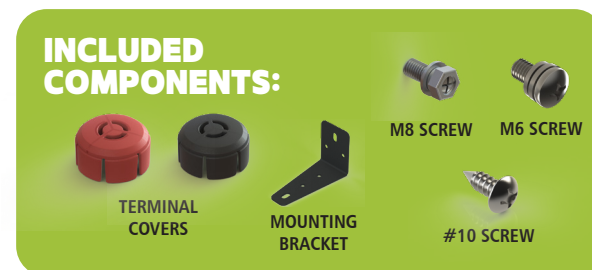
GP-ADV-LiFePO4-100

ADVANCED LITHIUM BATTERY

Quick Start Guide



NO.	DESCRIPTION
1	Positive Terminal
2	Negative Terminal
3	Power Button (LED)
4	RV-C 1
5	RV-C 2



WARNINGS



UK CA CE UN38.3



Only wire 8 batteries maximum in parallel

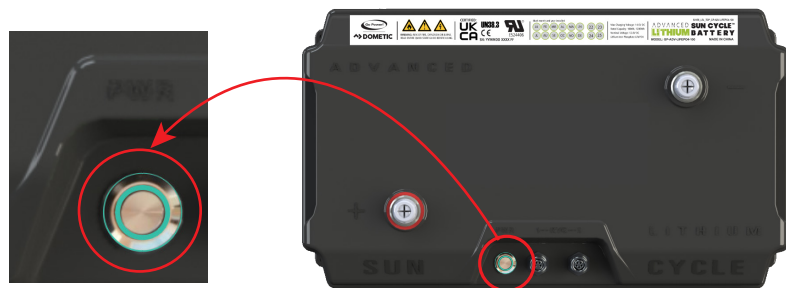
Wire a maximum of 4 in series

Do not get wet

Find tech tips, manuals and support at gopowersolar.com

INTERFACE DESCRIPTION

LED (POWER BUTTON) INDICATORS

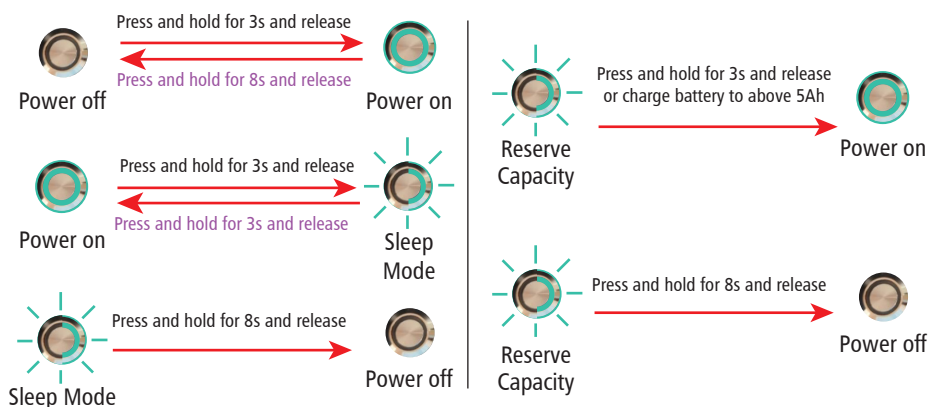


LED	Battery Mode Definition
Solid light	Power on mode
Blinking light	Sleep/Reserve mode
OFF	Power off mode

VARIOUS POWER MODES



Press button for more than 3 seconds and release. The battery will enter sleep mode. The LED will blink. Power off mode should only be used for long term storage or to reset the BMS. Use sleep mode to disable output power of batteries.



MOBILE APP

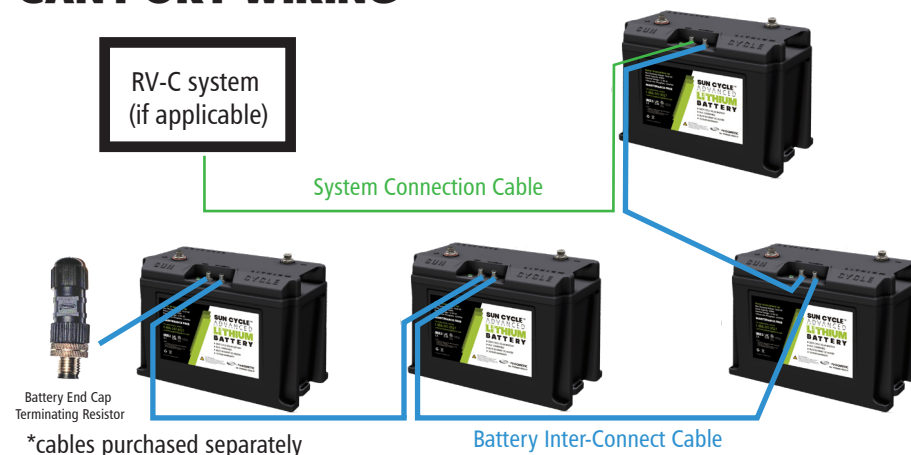


Scan the QR code to download the Go Power! Connect App for use with the Sun Cycle® Advanced Lithium Battery.



SCAN ME

CAN PORT WIRING



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

HOW TO USE



To prevent a surge current, perform a “pre-discharge” as outlined in the steps below.

- Step 1** - Ensure all batteries are in Power Off mode.
- Step 2** - Connect batteries following the series or parallel connection diagrams found at gopowersolar.com/advanced-lithium-wiring. When stacking multiple batteries, a communication cable is required between each battery. A Terminating Resistor on the last battery is also required on each end of the battery bank. (If the installation utilizes a screen, the terminating resistor is not required on one end.)
- Step 3** - Ensure battery pack terminals are correctly installed and connected to the inverter system.
- Step 4** - Press the power button on one of the battery packs for 3 seconds to wake up all battery packs from Power Off mode. The LED indicator will turn on.

NOTE: Batteries are in Power Off mode when unboxed. Press the Power button for 3 seconds to turn on. If it doesn't turn on, you will need to charge the battery.

The batteries need to be configured before they can be used. Please see battery manual for instructions on battery configuration.