

Your supplier



The right battery

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Low-temperature Heating Battery Beats
the Cold Woes for Your Subzero Enjoyment.

LINC INFI

12V100Ah Low Temperature Battery



POWERROAD LINC INFI Low Temperature Lithium Battery is specially designed with heating function that can be charged at temperature down to -20°C . The heating and charging process is automatically controlled by the BMS. You can operate the battery exactly the same as other Lithium-ion batteries. Besides, the battery presents the same quality, performance and dimensions with our 12V LINC INFI LiFePO4 Rechargeable Battery. Direct replacement is possible.

HIGHLIGHTS



Heating Function

Can be charged at temperature down to -20°C .



Flexible Series/Parallel Configuration

12V to 48V flexible battery system of boosted capacity for powering various applications.



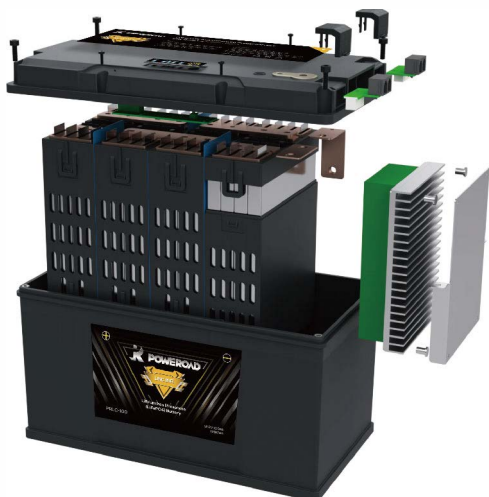
Bluetooth + APP

Easily monitor SOC, SOH and more via APP.



High Output Current

High output current to drive bigger power devices.



Self-developed BMS

Extend battery life and ensure the battery safety.



Unique Appearance

Own mold with eye-catching exterior. Thicker and stronger materials for durability.



Dual Terminal Design

Easier installation. Better heat dissipation for safety. Contact resistance reduced.



Sleep Mode

Reduce energy consumption and prolong the storage time when the battery is idle.



Waterproof - IP54

Battery remains unaffected by water under specified conditions.



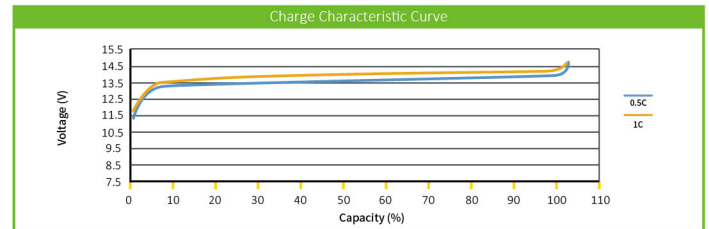
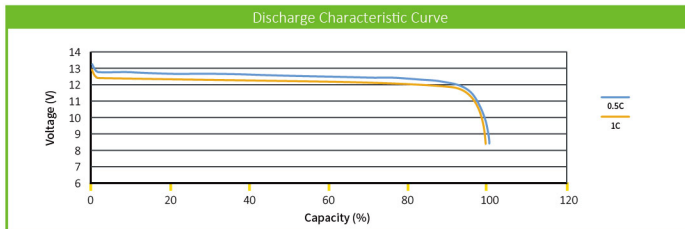
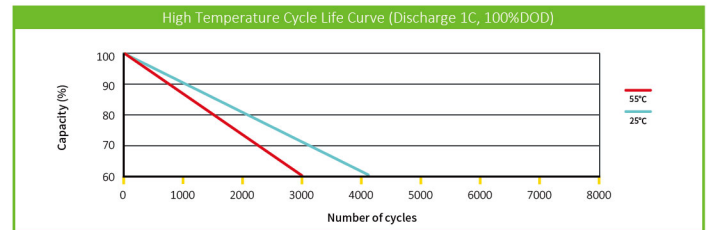
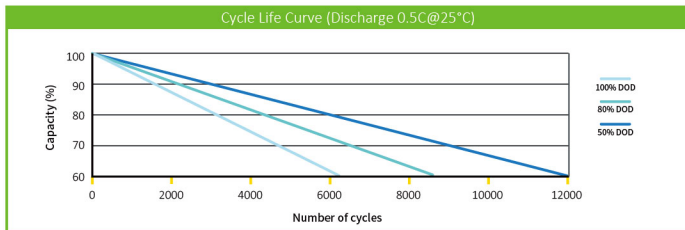
Repairable Design

Cost saving with detachable upper cover and replaceable BMS.



SPECIFICATIONS

Electrical	Nominal Voltage	12.8V
	Nominal Capacity	100Ah
	Rated Energy	1280Wh
	Internal Resistance	≤10mΩ
	Cycle Life	>3000 (0.5C@100%DOD)
Charge	Charge Voltage	14.4V
	Charge Mode	CC/CV (Constant Current, Constant Voltage)
	Standard Charge Current	20A
	Max. Continuous Charge Current	100A
Discharge	Charge Temperature Range	-20°C ~ +45°C
	Discharge Cut-off Voltage	10V
	Standard Discharge Current	20A
	Max. Continuous Discharge Current	150A
	Peak Discharge Current	350A (< 5S)
Mechanical	Discharge Temperature Range	-20°C ~ +55°C
	Dimensions (L×W×H)	330mm×175mm×195mm
	Weight	14kg±0.5kg
	Terminal	M8 Threaded Insert
	IP Rating	IP54
	Replacement	BCI Group 31, DIN Group L5, NP100-12



APPLICATIONS

