

VOLTS

E N E R G I E S

Li100-BH CAN

12V100Ah Low Temperature Battery



VOLTS ENERGIES 100Ah Low Temperature Lithium Battery is specially designed with a heating function that allow charging at temperatures down to -20°C (-4°F). The heating and charging process is automatically controlled by the BMS. You can operate the battery exactly the same way as other Lithium-ion batteries. The Battery complies with high standards of quality, performance and dimensions. It can directly replace a lead-acid battery.

HIGHLIGHTS

COMPATIBLE WITH THE
VOLTS ENERGIE CONNECTION APP



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 VOLTS CONNECT APP.



High Output Current

High output current to drive higher power devices.



Self-developed BMS

Extends battery life and ensure the battery's safety.



Safe and light

We use Prismatic LiFePo4 cells for maximum safety and weight reduction.



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.



Water & Dust proof IP54

Battery is unaffected by dust and can stay in the rain for a limited time.



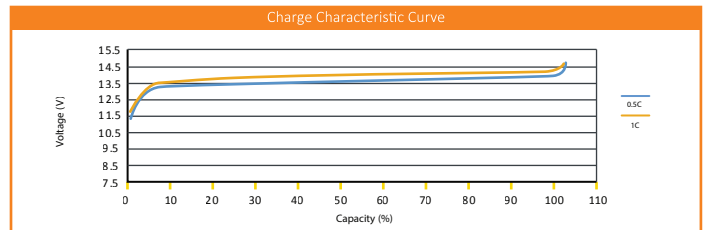
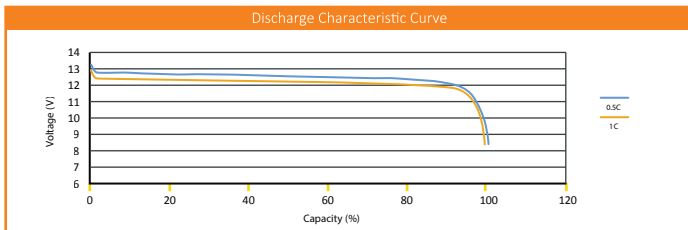
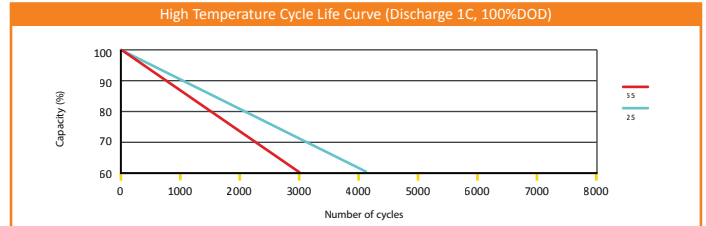
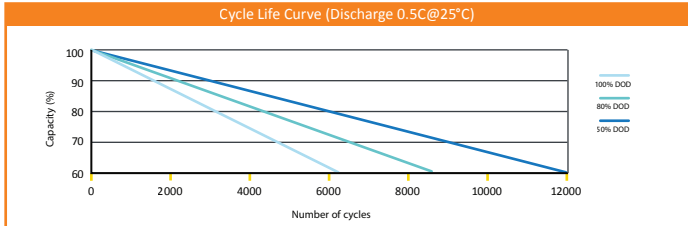
CAN and RS485 Comms

Install up to 16 batteries in the same system having them talk to each other for maximum efficiency and extended life.



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)
	Charge Current	20A
	Max. Continuous Charge Current	100A
	Charge Temperature Range	-20°C to 45°C
Discharge	Discharge Cut-off Voltage	10V
	Discharge Current	20A
	Max. Continuous Discharge Current	150A
	Peak Discharge Current	350A (<5S)
	Discharge Temperature Range	-20°C (-4°F) to 55°C (131°F)
Mechanical	Dimensions (L×W×H)	330 mm × 175 mm × 195 mm (13 in x 6.9 in x 7.7 in)
	Weight	31 lbs (14.06 Kg)
	Terminal	M8 Threaded Insert
	IP Rating	IP54
	Replacement	BCI Group 31, DIN Group L5, NP100-12



APPLICATIONS

