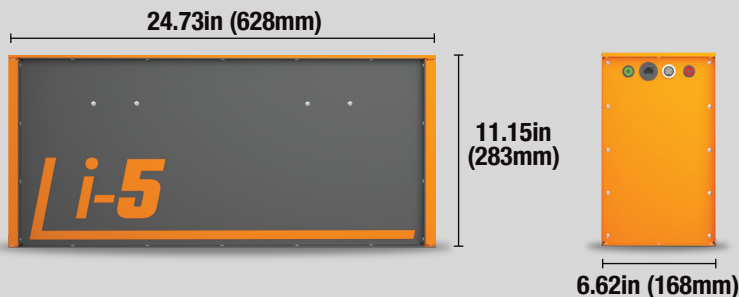


Lithium Battery LiFePO4 - 5.4KWh

Serie: Li5 Model: Li5-12.8HBEV / Li5-25.6HBEV



Battery 5.4KW h	
Model:	Li5-12.8HBEV / Li5-25.6HBEV
Nominal Voltage:	12.8 Volts / 25.6 Volts
Nominal Capacity:	420 Ah / 210Ah
Nominal Watt Hours:	5 376 Ah
Internal Resistance:	<3 milliohms



Contact us

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Mechanical characteristics	
Length:	24.73in (628mm)
Width:	6.62in (168mm)
Height:	11.15in (283mm)
Weight:	Approx. 97lbs (44kg)
Storage Temperature & Humidity Range:	
< 1 Month	-4~95°F (-20~35°C), 45~75%RH
< 3 Months	14~86°F (-10~30°C), 45~75%RH
Recommended storage	59~95°F (-15~35°C), 45~75%RH

Charge	
Charging temperature range:	32°F (0°C) to 131°F (55°C)
Recommended charge voltage:	14.2V / 28.4V
Recommended float charge voltage:	13.4V to 13.6V / 26.8V to 27.2V
Recommended charge current:	200A / 150A
PEAK max charge current:	300A / 300A

Discharge	
Discharging temperature range:	-4°F (-20°C) to 131°F (55°C)
Output Voltage Range:	11.2V to 13.4V / 22.4V to 26.8V
Recommended discharge current:	200A / 150A
PEAK discharge current:	300A / 300A

Self-discharge rate	
Residual capacity	3% per month; 15% per year
Reversible capacity	1.5% per month; 8% per year
Long Term Storage:	If the battery needs to be stored for > 3 months, the voltage should be 13.2V (50%SOC), and stored at the temperature and humidity range shown above. Additionally, the battery needs at least one charge & discharge cycle every six months. (Voltage X 2 for 25.6V)

Lithium Battery LiFePO4 - 5.4KWh

Series: Li5 Model: Li5-12.8HBEV / Li5-25.6HBEV

Our commercial Li-5 Serie LiFePO4 by **Lithium battery solution** is a high-quality, compact **5.4KWh** battery with industrial grade BMS and cell balancing modules. Only tier 1 cells are used and the battery has been designed and assembled in Canada by our team.

We have integrated heating, CAN communication, and Bluetooth function, and each battery is tested before its delivery. Moreover, we designed the casing keeping in mind an installation in a vehicle, where space and accessibility is an important concerns. For this reason, we deputed the buttons (to turn ON/OFF the battery and the one to turn ON/OFF the heating) to the side of the battery.

Since you may not use the battery all the time, a sleep mode is integrated into the battery to help maintain the capacity.

To make the installation quick and simple, we installed the BMS and the cell balancing modules inside the casing. The BMS controls the charge and discharge and monitors the voltage, current, and temperature in order to maximize longevity, efficiency and safety.

This product is available in the following models based on your specific needs :

- Li5-12.8HBEV: Nominal Voltage: 12.8 Volts – Nominal Capacity: 420 Ah
- Li5-25.6HBEV: Nominal Voltage: 25.6 Volts – Nominal Capacity: 210 Ah

Application

This reliable Lithium Battery LiFePO4 has versatile applications for:

- Off Road vehicles
- Fleet owner
- Rvs and Boats manufacturers
- Specialty equipment
- OEM's

**We can design a battery for your needs
Just ask us about our OEM program**



Features

- **Monitoring app for iOS and Android platforms, which allows real-time battery information.**
- **Steel powder coated enclosure for safety and durability.**
- **IP 65 Dust and Water Proof design**
- **Remote On/Off**
- **Remote Heating**
- **CAN Bus Communication**
- **Auto sleep mode to save power**

ON/OFF Heating
CAN BUS & Remote
ON/OFF Battery
Diagnostic port
ON/OFF Battery



Charge
Negative
Load

