



# E-BOX 12100

Available in Q4 2022



## Introduction

E-BOX 12100 PYTES lithium iron phosphate (LFP) battery is taking the smart batteries to the next level. With built-in intelligent self-heating, you can keep your battery charged in cold environment effortlessly. The 12V nominal voltage ensures more than 6000 life cycle, low heat generation and high efficiency during high power transmission. The modular design easily scales to meet a range of configurations-making it improve the average charging efficiency for your batteries in the long term. The state-of-the-art battery management system (BMS) enables comprehensive protection features and real-time monitoring.

## Description

### 1 Uncompromising Quality

PYTES's latest 12V battery delivers a breakthrough in quality by offering an exceptional lifespan of more than 6000, a 100A maximum discharge current (1C), and most importantly, an extensive ten year warranty.

### 2 Self-heating Function

The intelligent self-heating function will start operating automatically once the battery's core temperature drops below the set value, effortlessly keeping your battery charged in cold environments.

### 3 Reliable BMS System

The upgraded battery management system (BMS) with high performance processor provide load fluctuation resistance while maintaining balanced voltage across all cells.

### 4 Real-time Monitor

Featuring advanced RS485 communication ports—your batteries will be able to communicate with each other, host computers allowing you to monitor the charging status in real-time.

### 5 Auto-balancing Function

Easily connect multiple batteries in parallel with the auto-balancing function to improve the average charging efficiency of your batteries over extended use.

## Technical Specification

Battery Model	E-BOX 12100
Nominal Capacity:	100Ah
Nominal Voltage:	12.8Vdc
Voltage Range	10.8Vdc~14.4Vdc
Maximum Continuous Charging Current:	DC 50A
Maximum Continuous Discharge Current	DC 100A
Charge Working Temperature	14~131°F
Discharge Working Temperature	-4~131°F
Operating Relative Humidity	0~95% No Condensation
Unit Dimension(L*W*H)	12.6inch*6.5inch*7.9inch
Unit Weight	≤33.6 lbs
Environmental Protection	IP65
BMS Communication	RS485, CAN
Maximum Allowed Modules	8 batteries can be connected in a system
Heating	Supported

## Suitable For.

PYTES E-BOX 12100 is suitable for diverse applications requiring high discharge current and least supervised operations. A few of the applications of the battery pack are:

- Van life and Van building
- RV Camper Trailers
- Construction and Work Trucks
- Solar Energy Storage
- Off Grid Electrical Systems
- Recreational Vehicles
- Overland and Truck Builds
- Marine Applications
- Off-Grid Homes

