

Description

- With an integrated LiFePO₄ battery, the E-Box offers you an all-in-one solution for your vehicle's energy autonomy.
- Specially designed to fit under the passenger seat, this battery covers all the electrical needs of the adapted cell while taking up minimal space.
- As an optional feature, you can also integrate the 12V distribution panel.



Features

- Fully integrated**
A single box containing the LiFePO₄ battery, the DC/DC charger, the AC/DC charger, the MPPT solar charge controller and the DC/AC converter.
- More powerful and longer-lasting**
Provides twice as much power as a lead battery while maintaining a high energy capacity. Up to 2500 cycles at 0.5 C charge and discharge.
- Wide temperature range**
Operating temperature ranging from -20 °C to 60 °C.
- Power supply prioritisation**
Thanks to the Box ACE Energy's built-in power prioritisation board, you can automatically manage the 230V_{AC} power supply when the vehicle is connected to the power supply via the external outlet.
- Communication**
Control the battery charging level and status via a dedicated mobile app.

Technical features

DC-DC charger

AC-DC charger

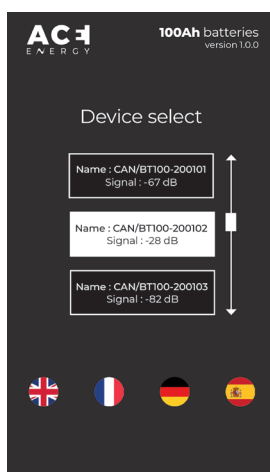
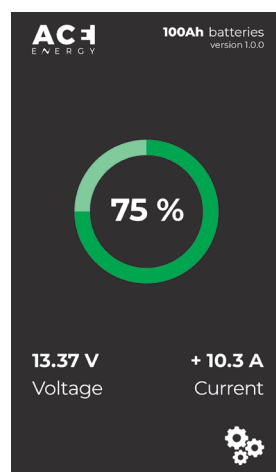
Solar charger

DC-AC converter

Mechanic

Communication

	BCV-15120	BCV-20120
Reference	10310-1500W	10310-2000W
Nominal voltage	12.8V	
Nominal capacity	120Ah	
Full battery voltage	14.6V	
Rated power	1530Wh	
Internal resistance	≤30mΩ	
Charge current	≤100A	
Discharge current	200A	
Peak current	400A	
Useful life	≥2500 cycles	
Self-discharge	<3%	
Applicable voltage	12-16V	
Charge current	50 to 70A (dedicated line)	
Automatic D+ detection	Optional	
Applicable voltage	230-240V _{AC} / 50Hz	
Charge current	20A	
Applicable voltage	≤80V	
Charge current	20A	
Maximum power	290W	
Output voltage	230-240V _{AC} / 50Hz	
Rated power	1500W	2000W
Peak power	3000W	4000W
Material	Painted steel	
Dimensions	350 x 370 x 210 mm	
Weight	25kg	
Bluetooth 4.2	Android and iOS mobile app	



OPTION

Auxiliary battery

Increase your capacity to 240Ah with auxiliary battery
Ref. ACE-AUX120