

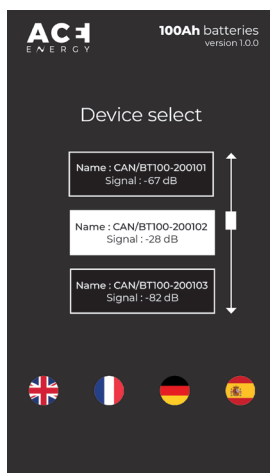
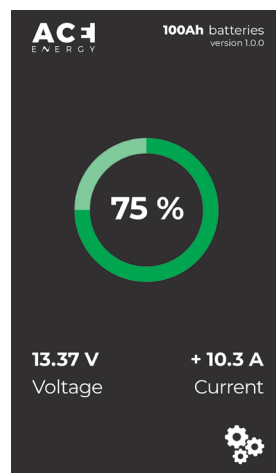
## Description

- › With an integrated LiFePO<sub>4</sub> 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 LiFePO<sub>4</sub> 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 4000 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<sub>AC</sub> 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.



	BCV-15120	BCV-20120
Reference	10310-1500W	10310-2000W
<b>Technical features</b>		
Nominal voltage	12.8V	
Nominal capacity	120Ah	
Full battery voltage	14.6V	
Rated power	1530Wh	
Internal resistance	≤30mΩ	
Charge current	≤100A	
Discharge current	150A	200A
Peak current	300A	400A
Useful life	≥4000 cycles	
Self-discharge	<3%	
<b>DC-DC charger</b>		
Applicable voltage	12-16V	
Charge current	50 to 70A (dedicated line)	
Automatic D+ detection	Optional	
<b>AC-DC charger</b>		
Applicable voltage	230-240V <sub>AC</sub> / 50Hz	
Charge current	20A	
<b>Solar charger</b>		
Applicable voltage	≤80V	
Charge current	20A	
Maximum power	290W	
<b>DC-AC converter</b>		
Output voltage	230-240V <sub>AC</sub> / 50Hz	
Rated power	1500W	2000W
Peak power	3000W	4000W
<b>Mechanic</b>		
Materials	ABS + PEHD	
Dimensions	350 x 370 x 210 mm	
Weight	25kg	
<b>Communication</b>		
Bluetooth 4.2	Android and iOS mobile app	
<b>Certification</b>		
R10	Battery pack	E57* 10R06/02*0853*00
	DC/DC 50A charger	E57* 10R06/00*0112*00
	Converter	E57* 10R06/05*0570*00



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