

### Description

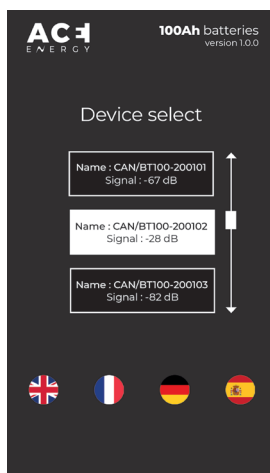
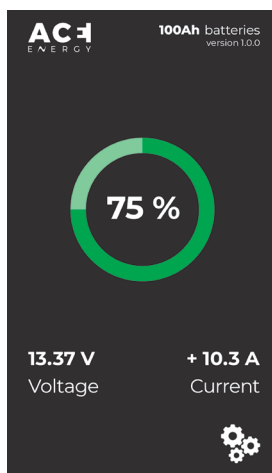
- › With an integrated LiFePO<sub>4</sub> battery, the E-Box offers you an all-in-one solution for your vehicle's energy autonomy.
- › Specially designed to fit under the passenger seat, this battery covers all the electrical needs of the adapted cell while taking up minimal space.
- › As an optional 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 2500 cycles at 0.5 C charge and discharge.
- › **Wide temperature range**  
TOperating 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<br>Nominal capacity: 120Ah<br>Full battery voltage: 14.6V<br>Rated power: 1530Wh<br>Internal resistance: ≤30mΩ<br>Charge current: ≤100A<br>Discharge current: 200A<br>Peak current: 400A<br>Useful life: ≥2500 cycles<br>Self-discharge: <3% |             |
| <b>DC-DC charger</b>      | Applicable voltage: 12-16V<br>Charge current: 50 to 70A (dedicated line)<br>Automatic D+ detection: Optional  |             |
| <b>AC-DC charger</b>      | Applicable voltage: 230-240V <sub>AC</sub> / 50Hz<br>Charge current: 20A  |             |
| <b>Solar charger</b>      | Applicable voltage: ≤80V<br>Charge current: 20A<br>Maximum power: 290W  |             |
| <b>DC-AC converter</b>    | Output voltage: 230-240V <sub>AC</sub> / 50Hz<br>Rated power: 1500W / 2000W<br>Peak power: 3000W / 4000W  |             |
| <b>Mechanic</b>           | Material: Painted steel<br>Dimensions: 350 x 370 x 210 mm<br>Weight: 25kg   |             |
| <b>Communication</b>      | Bluetooth 4.2<br>Android and iOS mobile app   |             |



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