



Safety Instructions

- Any DLB-pack must be associated with an easily accessible upstream protection and circuit-breaker system.
- DLB-pack shall not be installed if, while unpacking, any damage is observed.
- DLB-pack must be installed inside electrical panels or switchboards, behind a door or plate, so that it is inaccessible to unauthorised persons.
- DLB-pack may only be installed, operated, serviced and maintained by qualified professionals.
- Wear appropriate personal protective equipment (PPE) and follow safe electrical work practices.
- All relevant local, regional, and national regulations must be respected while installing and using the DLB-pack.
- During the installation of the DLB-pack, a verification of the appropriate mechanical connection and electrical continuity of the connections must be performed by a professional technician.
- Turn off all power supply sources before installing and during maintenance of the DLB-pack.
- Always use a properly rated voltage sensing device to confirm power is off.
- Do not use the DLB-pack for voltage testing purposes. A Voltage Tester must be used instead.
- Failure to follow these instructions can result in death, serious injury, or equipment damage.
- EVshield is not liable in case the instructions mentioned in this document and other referred documents are not respected.



Technical Overview

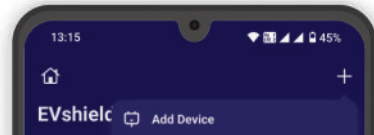
Nominal Voltage	: 208-415VAC 50/60Hz
Amps	: Max. 63A
Measurement Accuracy	: 1 %
Surge withstand voltage	: 4kV
Overvoltage category	: III
Temperature	: -25°C ~ 70°C
Humidity	: <85%
Altitude	: <2000m
Wiring	: Max. 35mm ²
Mounting	: 35mm DIN-rails
Ingress Protection	: IP20
Communication	: Wi-Fi
Normal power consumption	: 0.7W
AP Mode power consumption	: 1.4W

Connect to APP

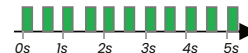
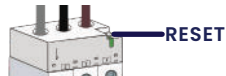
Download the EVshield APP from the APP store or on EVshield.eu.



- Create an account or use the APP with a local account.
- Make sure the phone is connected to a **local 2.4GHz Wi-Fi network** and **Bluetooth is Enabled**
- Make sure the DLB-pack is connected to power and in pairing mode.
- In the top right corner, press the **+** symbol to add a new device. Follow the instructions on screen to add the DLB-pack to the APP.



- Device not found? Reset Wi-Fi by holding down the RESET-button above the LED on the device for at least 5 seconds.



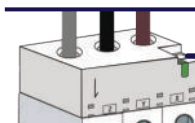
- Make sure another EVshield Device is connected to the APP:

- ThunderCord
- Smart-pack

- Create a new "SMART Task"
- For quick Installation; select one of the preconfigured SMART tasks. Visit **EVshield.eu/load-balancing** for more information
- SMART tasks can be reconfigured in the APP if required

Disclaimer

This guide is to be used as a reference only. EVshield does not provide advice, instructions or recommendations regarding the electrical installation and cannot be held liable for incorrect installation of the EVshield DLB-pack and associated components. Always follow the instructions of the charger manufacturer and have the installation carried out by a certified installer according to local safety guidelines.



RESET

LED Overview

Device connected LED ON	Pairing mode Flashing 2Hz	AP Mode Flashing 0.5Hz
DLB-pack is online and functioning normally with APP connectivity.	To enable pairing mode press and hold the reset button until the LED flashes rapidly.	DLB-pack is in access point mode and trying to connect to the APP.
APP Disconnected Flashing 1Hz	Other Error Flashing 0.25Hz	ALARM Flashing 1Hz
Connected to Wi-Fi, but failed to connect to the APP.	The device failed to self-check. Please power off, restart, and reconfigure the network settings.	An electric fault has been detected. Please check the wiring and power supply.

Install the DLB-pack directly after the main switch or main residual current meter.
The DLB-pack must be able to measure the entire power consumption,
not only the EVshield!



Choose option A or option B, make sure the arrow on the DLB-pack must be pointing along with the flow of electricity: towards the EVshield.

If the device is placed pointing away from the flow of electricity the measurements will be inverted!

