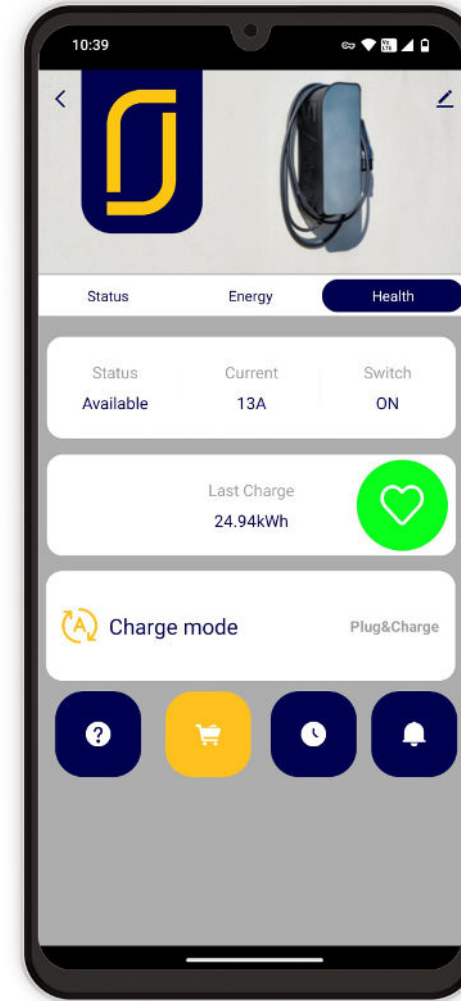
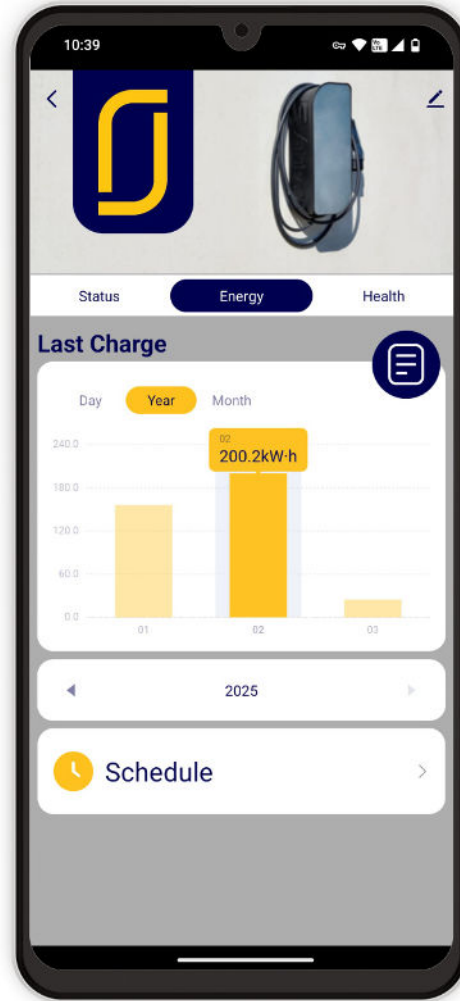
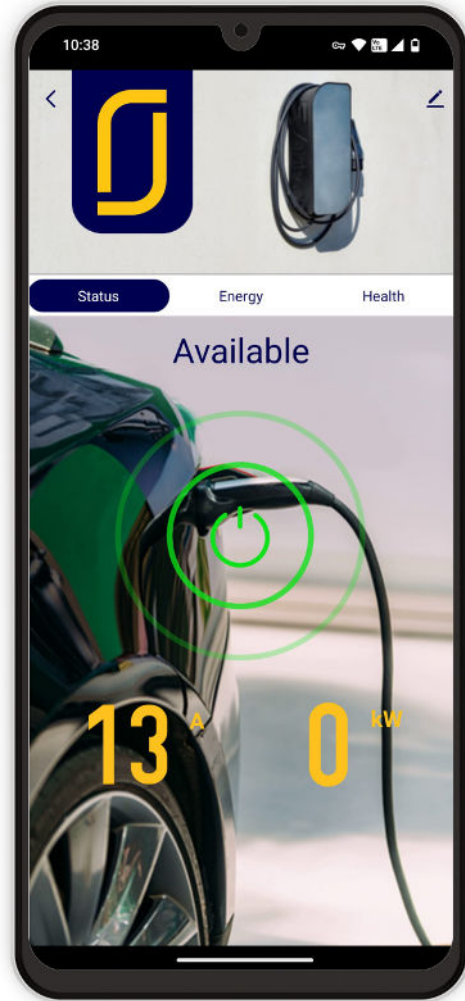


EVshield APP



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 SMART-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.

EVshield[®]
SMART-pack

EVshield
SMART-pack





Connect to APP

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

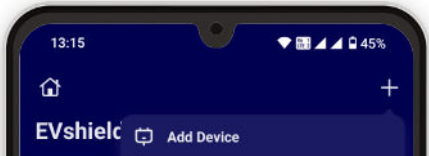


1) Create an account or use the APP as a guest.

2) Make sure the phone is connected to a local 2.4GHz Wi-Fi network and Bluetooth is Enabled

3) Make sure the device is connected to mains power

4) In the top right-hand corner. Press the + symbol to add a new device.



2.4GHz Wi-Fi Settings

Wi-Fi LED Indication

Fast Flash : Ready to Connect

Slow Flash : Wi-Fi OFFLINE

LED ON : Wi-Fi Connected

Reset Functions

Reset Wi-Fi : Press & Hold

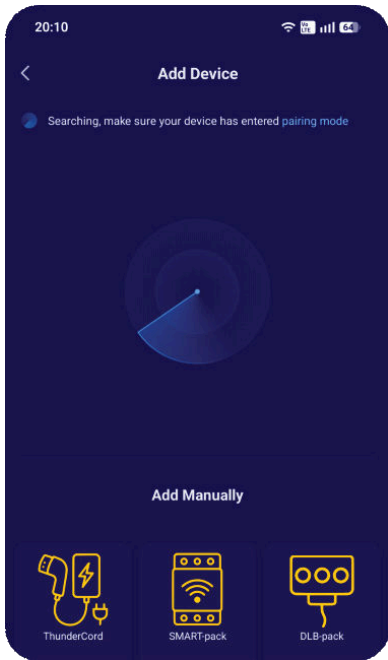
Reset Consumption : Go to Display "EPS" Press & Hold

Factory Reset : Go to Display "Hz Frequency" Press & Hold

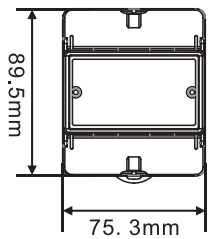
Support

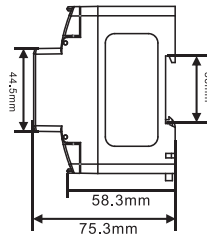


Connect to APP



Installation Wiring and Dimensions

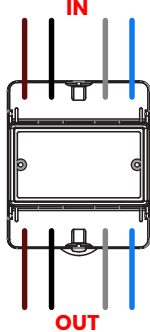






Correct Wiring Required

The Device must be installed in accordance with the terminal markings. Incorrect wiring may result in malfunction or safety hazards.



Usage Conditions

Voltage : ~230V AC

Amps : Max. 80A

Temperature : -20°C ~ 60°C

Humidity : <85%

Altitude : <2000m

Wiring : Max. 35mm2

Mounting : 35mm DIN-rails

Safety and Installation Instructions

No Isolation Function

This device does not provide an isolation function. Always disconnect mains power before servicing or repairing the device.

Neutral Line Connection

The neutral (N) line is internally connected and does not include a disconnection mechanism. Ensure appropriate external disconnection measures are in place.

Supplementary Protection Only

This product offers limited current protection and is not a substitute for a standard circuit breaker. For proper short-circuit protection, install appropriate breakers at the upstream side of this device.

Function Overview

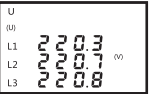
- Over Voltage Protection
- Under Voltage Protection
- Over Current Protection
- Under Current Protection
- Delay Protection
- Timer Switch
- Voltage Imbalance Protection
- Current Imbalance Protection
- Shortage Phase Protection
- Phase Sequence Protection
- Bidirectional Energy Monitor
- 2.4GHz Wi-Fi Transmitter
- APP enabled

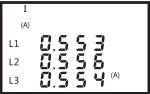
Display Settings

White : Normal

Red : Fault detected

Backlight : OFF after 180 seconds



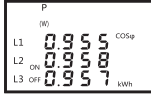




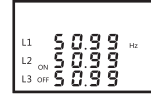
Phase Voltage

Three Phase Current

Three Phase Active Power







Thre Phase Reactive Power

Three Phase Power Factor

Three Phase Frequency







Active Combined Energy Consumption

Active Foward Energy Consumption

Active Reverse Energy Consumption





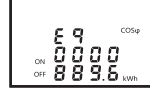


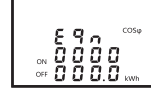
Active A-Phase Energy Consumption

Active B-Phase Energy Consumption

Active C-Phase Energy Consumption



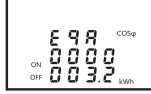




Combined Reactive Energy Consumption

Reactive Forward Energy Consumption

Reactive Reverse Energy Consumption



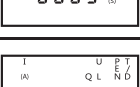
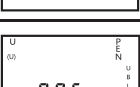
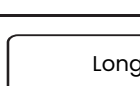




Reactive Phase A Energy Consumption

Reactive Phase B Energy Consumption

Reactive Phase C Energy Consumption

Function	Set Range	Factory Default	Function Description
Power Restoration Delay Protection	---- (Manual Override) 0000 - 9999 Seconds	5 s	 Protects the device from being destroyed by instantaneous high voltage and surge during power fluctuations.
Over Voltage Limit	60-300V	275 V	 When the voltage is OVER the set limit, the device will automatically switch off. (Every phase must be set separately)
Under Voltage Limit	60-300V	175 V	 When the voltage is UNDER the set limit, the device will automatically switch off. (Every phase must be set separately)
Voltage Protection Recovery	---- (Manual Override) 0000 - 9999 Seconds	20 s	 Set delay time to recover functions after Under or Over Voltage settings tripped
Over Current Limit	0.1-80A	80 A	 When the Current is OVER the set limit, the device will automatically switch off. (Every phase must be set separately)
Over Current Limit Protection Delay	0000 - 9999 Seconds	5 s	 Set delay time to switch OFF after OVER Current Limit has been reached
Over Current Limit Protection Recovery	0000 - 9999 Seconds	60 s	 Set delay time to switch ON after OVER Current Limit has been solved
Voltage Balance Protection	ON / OFF 0000 - 9999 %	ON	 The device will switch off if the highest or lowest voltage Imbalance of L1/L2/L3 Phase exceeds the set value.

---- : Manual Override

0000 : No Delay

Long press the setting button

Change value

Short press the setting button to save

Short press **OK** to switch to the next page

Long press **OK** to exit