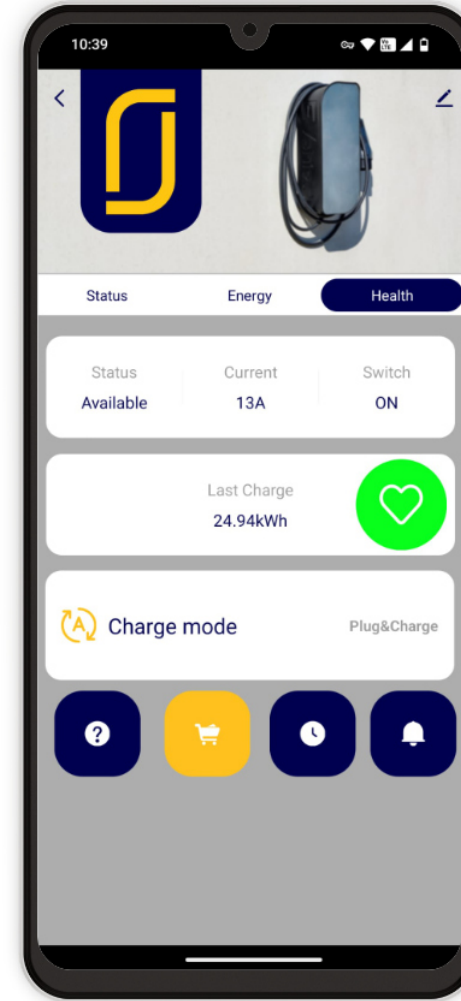
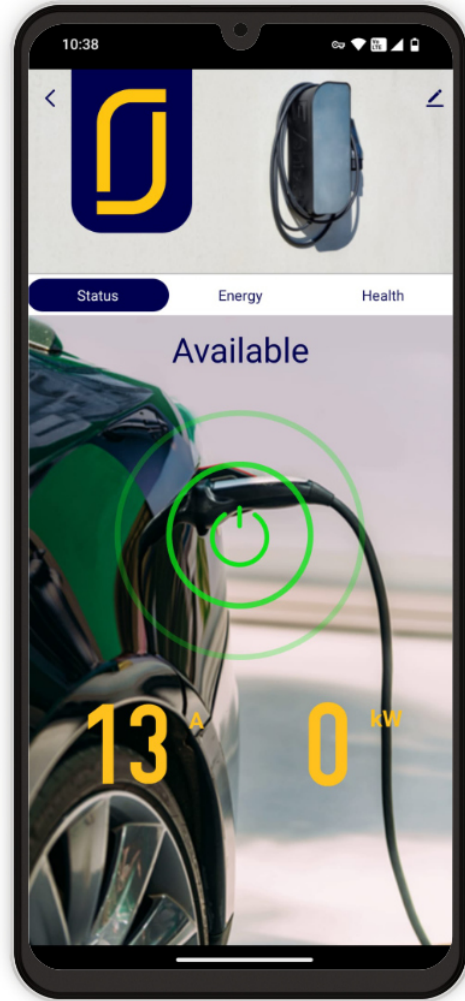


EVshield APP




Disclaimer

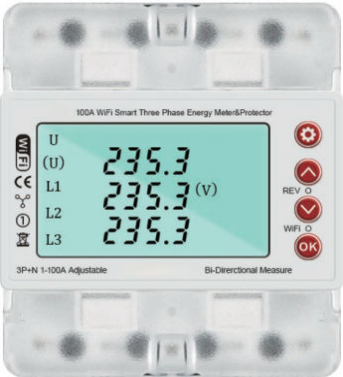
This guide is to be used as a reference only. EVshield does not provide advice, instructions or recommendations regarding the electrical installation and cannot be held liable for incorrect installation of the Evshield SMART-pack and associated components. Always follow the instructions of the charger 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 any TUYA-based APP from the APP store. For example, use one of the official TUYA APPS listed below:


Tuya Smart

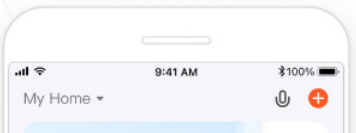


Smart Life



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

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



3) Make sure the device is connected to mains power

4) Make sure the phone is connected to a **local 2.4GHz Wi-Fi network**

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 

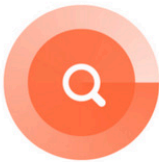
Support



Connect to APP

Adding device...

Ensure that the Wi-Fi signal is good.

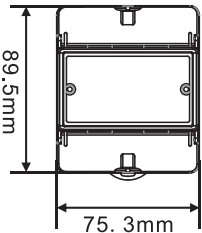


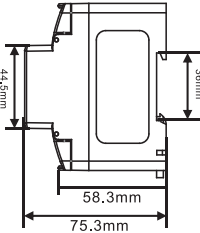
Scan devices.


Register to Cloud.

Initialize the device.

Installation Wiring and Dimensions

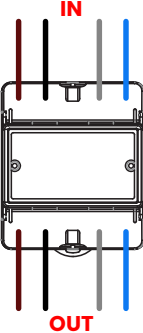






Correct Wiring Required

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

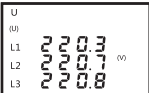
- Over Voltage Protection
- Under Voltage Protection
- Over Current Protection
- Under Current Protection
- Delay Protection
- Timer Switch
- Voltage Imbalance Protection
- Current Imbalance Protection
- Shortage Phase Protection
- Phase Sequence Protection
- Bidirectional Energy Monitor
- 2.4GHz Wi-Fi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

Display Settings

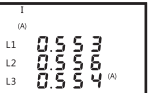
White : Normal

Red : Fault detected

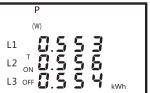
Backlight : OFF after 180 seconds



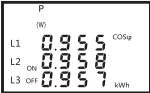
Phase Voltage



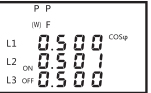
Three Phase Current



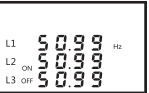
Three Phase Active Power




Thre Phase Reactive Power




Three Phase Power Factor



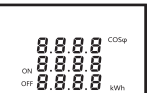
Three Phase Frequency




Active Combined Energy Consumption




Active Foward Energy Consumption




Active Reverse Energy Consumption




Active A-Phase Energy Consumption




Active B-Phase Energy Consumption



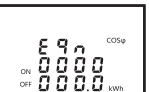
Active C-Phase Energy Consumption




Combined Reactive Energy Consumption



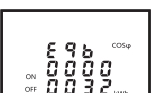
Reactive Forward Energy Consumption



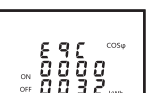
Reactive Reverse Energy Consumption







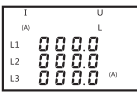



Reactive Phase A Energy Consumption



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