

THREE-PHASE ENERGY METER & MONITOR · WIFI

Measures energy and protects the installation on all three phases

Smart 100 A three-phase energy meter and monitor with LCD display and 2.4 GHz WiFi. It measures voltage, current, power and energy per phase and, when a value goes outside the limits you set, automatically cuts the output to the load.

- 3 phases + N · 100 A
- Per-phase energy metering
- Voltage & current monitoring



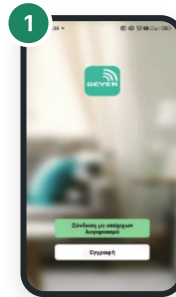
Warning: Installation must be carried out by a qualified electrician. Switch off the power supply before wiring and follow the connection diagram (page 6).

1 Download the app

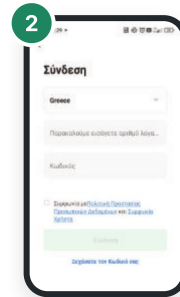


- First connect your phone to your local WiFi network.
- Scan the QR code or search for **GEYER Smart** on Google Play or the App Store.

2 Create an account



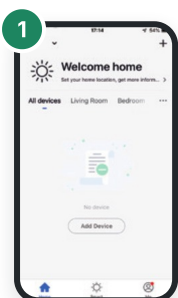
Open the app and register



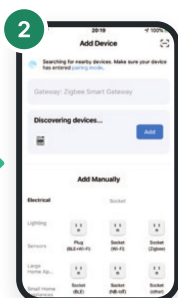
Log in to your account

3 Add the device

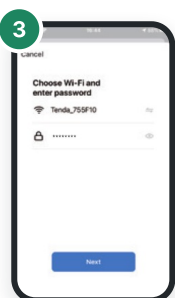
- Connect the meter to a 100–240 VAC supply as shown in the connection diagram.
- Before you start**, the meter display must be on the **home screen**, the one that shows the **Voltage (V)**. If it shows another reading, briefly press or until the voltage appears.
- On the Voltage screen, press and hold the (WiFi) button for about 10 seconds until the indicator LED blinks fast.



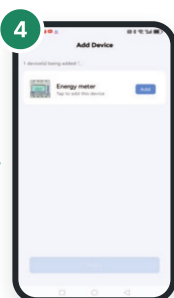
Tap "+" or "Add Device"



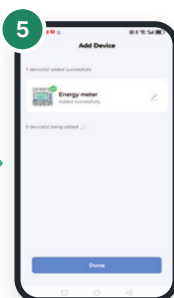
Tap "Add" on the device found



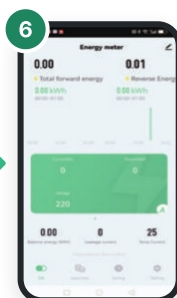
Enter your WiFi password and confirm



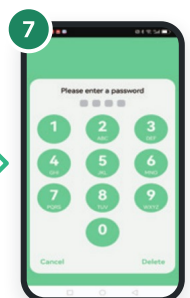
Wait while the device is added



Tap "Done"



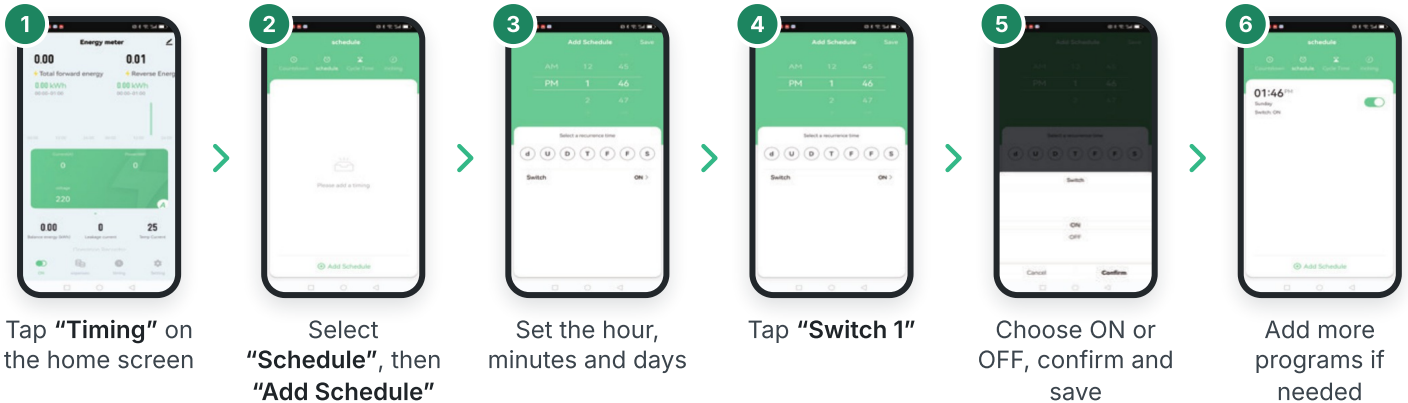
The meter's home screen opens



If asked for a password, enter **0000**

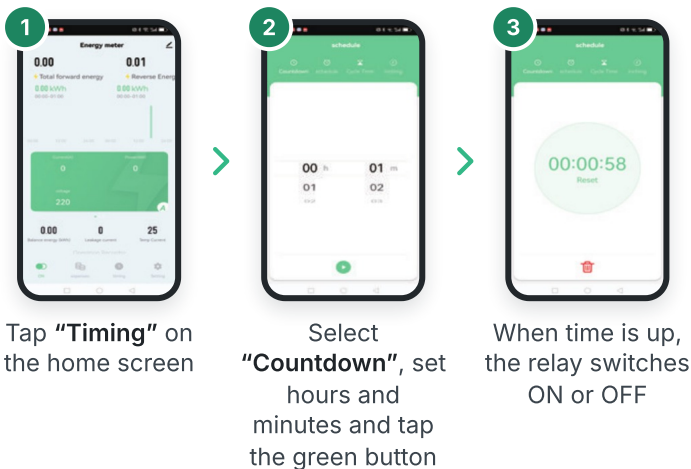
4 Time schedules (Schedule)

Up to 30 ON/OFF programs per day or per week.



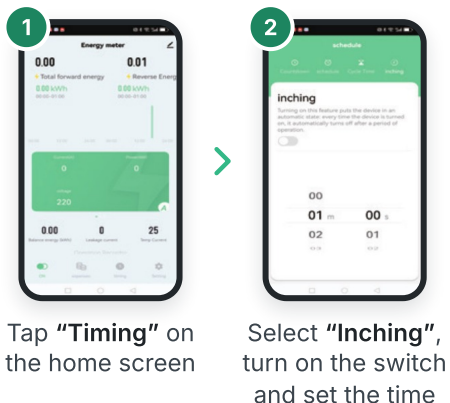
5 Countdown

From 1 minute up to 23 hours and 59 minutes.



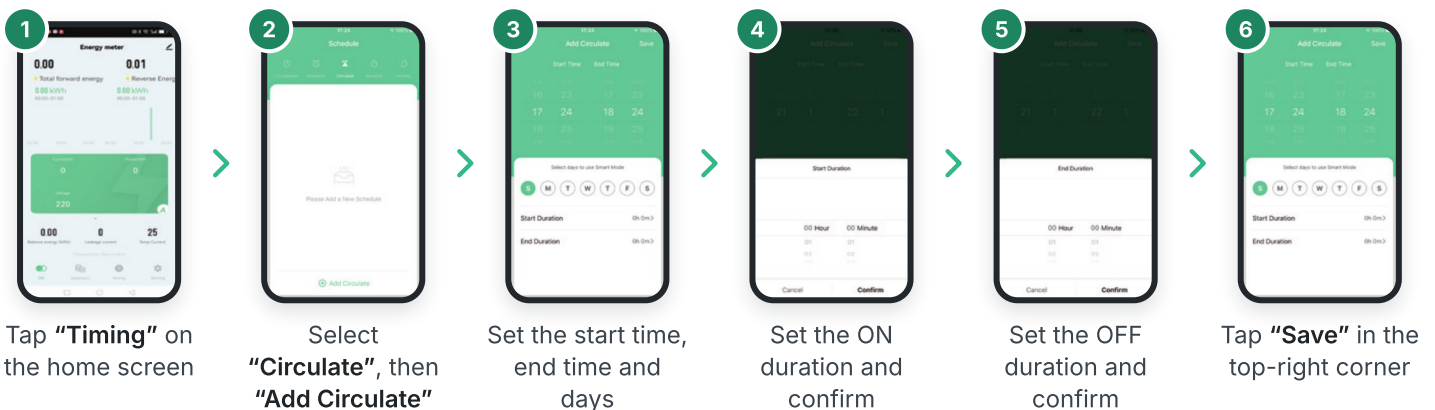
6 Auto-off (Inching)

Every time the relay switches on, it switches off automatically after the time you set.



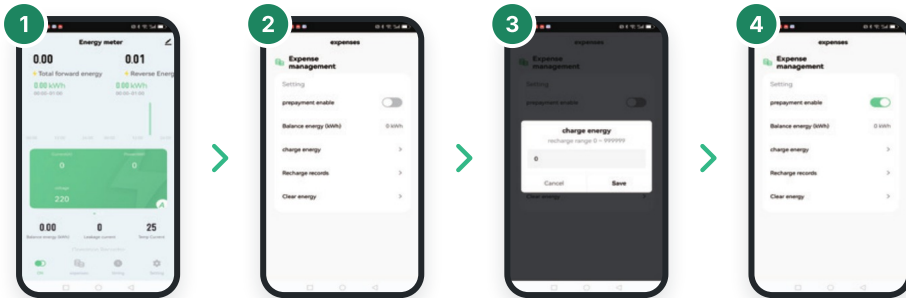
7 Cycle function (Circulate)

The relay switches ON and OFF repeatedly within the time window you set.



8 Prepaid energy (Expenses)

Set how much energy may be consumed. When it runs out, the meter disconnects the load.



1 Tap **"Expenses"** on the home screen

2 Turn on **"prepayment enable"**

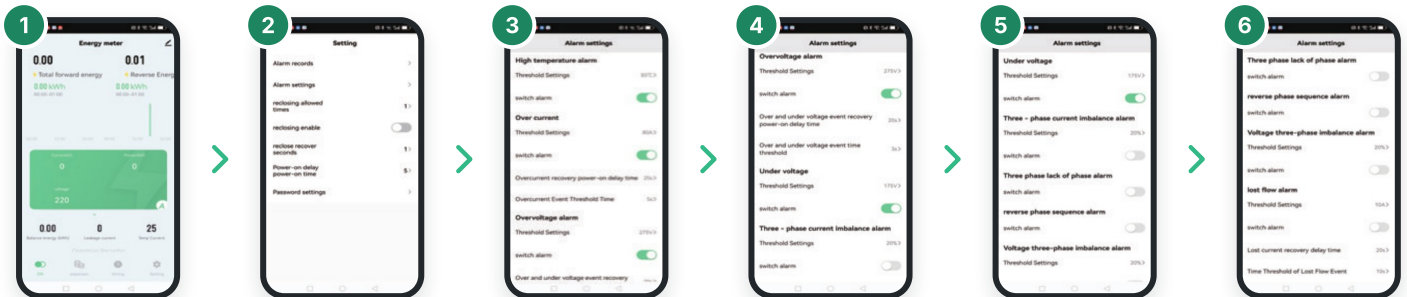
3 In **"charge energy"** enter the kWh and tap **"Save"**

4 Once used up, the meter disconnects the load

Balance energy: remaining energy
Recharge records: top-up history
Clear energy: resets the balance

9 Protection limits (Alarm settings)

Set the limits at which the monitor cuts the output. When a value goes outside the limits, the relay automatically disconnects the load.



1 Tap **"Setting"** on the home screen

2 Select **"Alarm settings"**

3 For each protection, set the limit (**Threshold**)

4 Turn it on with **"switch alarm"**

5 Scroll on to the voltage and phase limits

6 At the end: lost current flow and timings

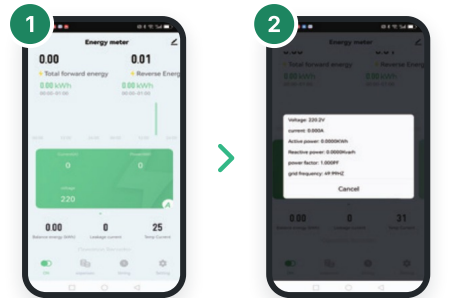
Protections you can set

- High temperature
- Overcurrent / overload
- Overvoltage
- Undervoltage
- Three-phase current imbalance
- Three-phase voltage imbalance
- Phase loss
- Reverse phase sequence
- Leakage current
- Lost current flow (delay time & time threshold)

For each protection you set an action threshold and turn it on or off.

10 Energy metering

See the total values and the values of each phase in real time.



Select phase **A**, **B** or **C** on the home screen

The values of that phase are shown

Shown on the home screen

- Total forward energy (kWh)
- Reverse energy (kWh)
- Current (mA)
- Power (W)
- Voltage (V)
- Balance energy (kWh)
- Leakage current
- Temperature

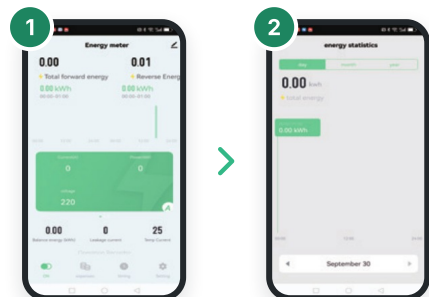
Shown for each phase

- Voltage (V)
- Current (A)
- Active energy (kWh)
- Reactive energy (kvarh)
- Power factor (PF)
- Grid frequency (Hz)

Below 3 W, the app shows power and current as "0", but the consumption is still counted in the total.

11 Energy statistics

View your consumption history.



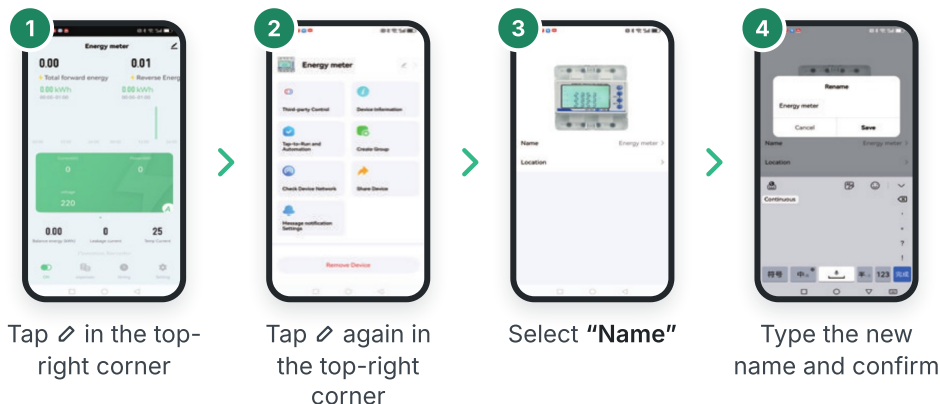
Tap the **total energy** on the home screen

View daily, weekly or yearly consumption

Use the arrows at the bottom of the screen to change the date shown.

12 Device name

Give the meter a name that tells it apart, e.g. "Ground floor panel".



Tap in the top-right corner

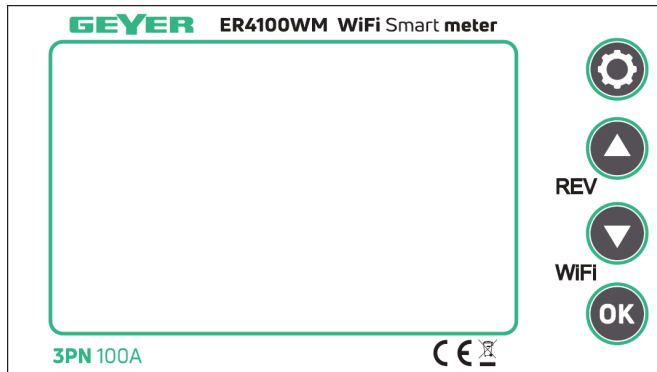
Tap again in the top-right corner

Select **"Name"**

Type the new name and confirm

13 Using the meter

The main readings and settings are also available on the device buttons.



- Settings
- Up · REV
- Down · WiFi
- Confirm

On the home screen (Voltage)

- Short press:** cycles through voltage, current, power, power factor and frequency of the three phases.
- Long press (~10 s):** connects to WiFi to add the meter to the app (section 3).
- Long press:** clears the energy and restores the factory settings.

Function settings

- 1 Press and hold: the digit being set flashes
- 2 Change the value of the digit
- 3 Short press: next digit
- 4 Short press: confirm and go to the next page
- 5 Long press: save and exit

i Good to know



Works without WiFi

If the network drops, your settings and programs are not deleted and the device keeps working normally.



State memory

If the contact was closed when the power failed, it stays closed when the power returns.



Sharing

In the app you can give up to 20 users access to control the meter.



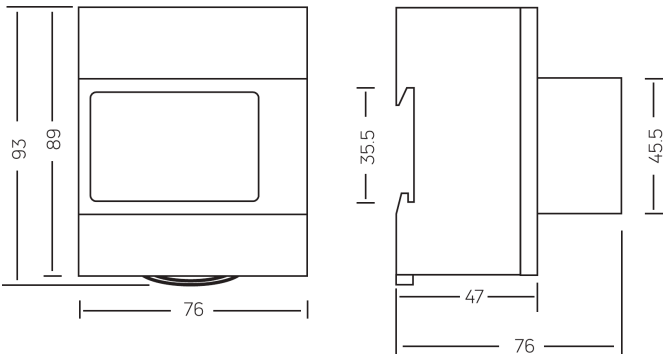
Backlight

White in normal operation, red when the relay has disconnected the load. Turns off after 180 s without use.

14 Specifications

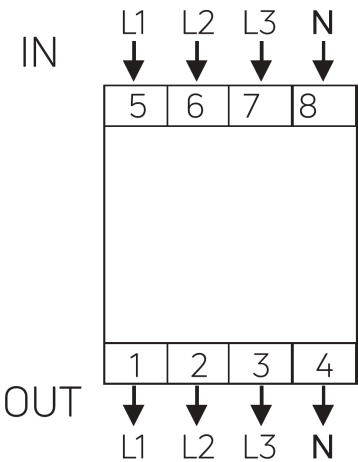
Function	Energy meter & monitor
Rated voltage	100–240 VAC, 50/60 Hz
Rated current	100 A / 250 VAC (cos φ = 1)
Connection	Three-phase, 3P + N
Contact	1 NO (SPST-NO)
WiFi frequency	2.4 GHz
Mounting	35 mm DIN rail (EN 60715)
Ambient temperature	–10 ... +60 °C
Programs	Up to 30 ON/OFF per day or week
Countdown	1 min – 23 h 59 min
Sharing	Up to 20 users
Display	LCD with backlight
Dimensions (W × H × D)	76 × 93 × 76 mm

16 Dimensions



All dimensions in mm.

15 Connection diagram



5 · 6 · 7 · 8 Supply (IN): L1, L2, L3, N

1 · 2 · 3 · 4 Load (OUT): L1, L2, L3, N



Wiring by a qualified electrician only.

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