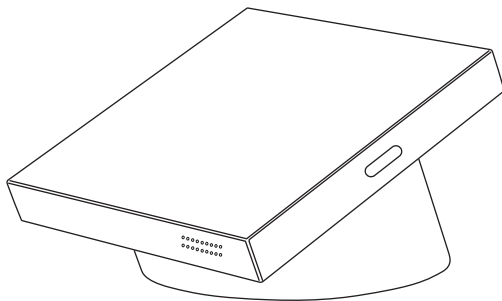


Energy Monitor EM042-012

User Start Guide



* Please read this guide carefully and keep it in a safe place.

Before Getting Started

The quick guide provides important operation and maintenance instructions for energy monitors.

Read the quick guide carefully before operation and save it for future reference. Failure to observe the instructions or precautions in the quick guide can result in electrical shock, serious injury, or death, or can damage the energy monitor, potentially rendering it inoperable.

- Conow ensures the accuracy, sufficiency, and applicability of the information in the quick guide at the time of printing due to continual product improvements that may occur.
- Conow assumes no responsibility or liability for personal and property losses, whether directly or indirectly caused by the user's failure to install and use the product in compliance with the quick guide.
- Conow is not responsible or liable for failure, damages, or injuries resulting from repair attempted by unqualified personnel, improper installation, and operation.
- Conow reserves the right to change the information in the quick guide without notice.

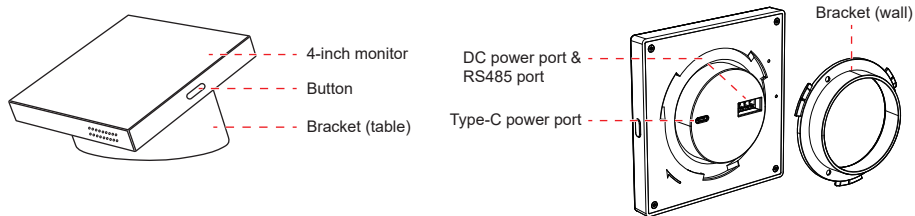
Product Safety Instructions

- Please keep the device out of reach of children.
- Do not dispose of the device as household waste. Comply with local, state, and federal laws or regulations, and use designated recycling channels for proper disposal.
- Avoid exposing the device to flammable, explosive, or corrosive chemicals/vapors.
- Do not disassemble, repair, or tamper with the device using any tools or methods.
- Verify the device's polarity before connecting to power. Incorrect polarity connection may cause damage.
- Ensure the power supply voltage matches the device's operational voltage range. Voltage exceeding specifications may result in device failure.
- Users may prepare their own power/data cables as needed, provided they meet the device's power supply and communication requirements.

Caution: Change or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Product Introduction

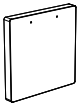
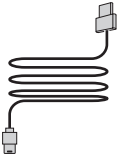
The Energy Monitor serves as a household energy hub, monitoring all energy flows within the home to enable easy and efficient energy management. It supports real-time tracking of solar generation, storage, charging, and consumption, along with remote device control and RS485 communication. Ideal for off-grid homes, RVs, marine vessels, and other standalone environments.



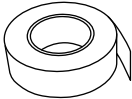
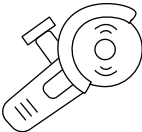
Product Specification

Model No.	EM042-012
Connectivity	Wi-Fi 6, Bluetooth LE 5.4
Operating frequency	IEEE 802. 11b/g/n/ax, 2.4Ghz
Wired communication	RS485
Operating voltage	DC power port: 12-48V; Type-C: 5V1A
Dimensions	102 mm*102 mm*28 mm
Weight	180 g
Operating temperature	-20°C to +45°C
Working humidity	0-90% (non-condensing)

Packing List

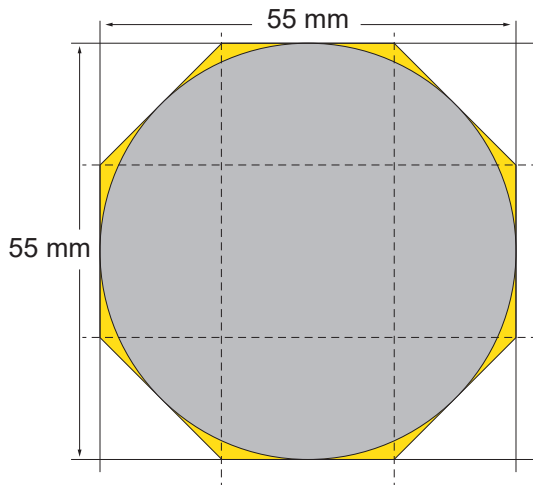
					 M2*6mm Screw accessory pack
User Start Guide	4-in monitor	Wall-install bracket	Table-install bracket	Power cable	

Required Tools

				
Phillips screwdriver	Insulation tape	Skill saw	Impact drill	Horizontal ruler

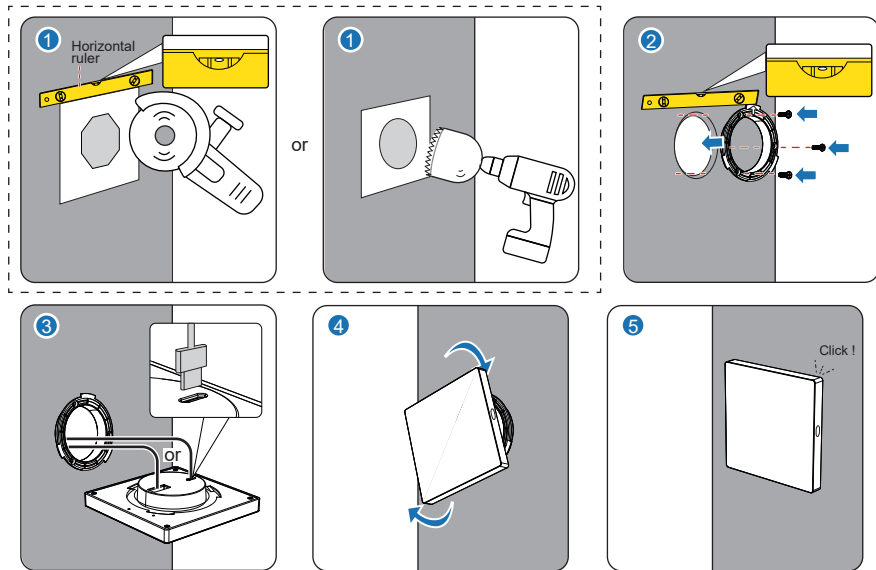


Please cut out this paper and paste it at the spot where you need to drill.



Quick Installing (wall)

Select optimal mode based on daily detection needs and start installing.

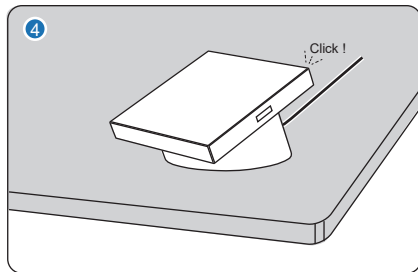
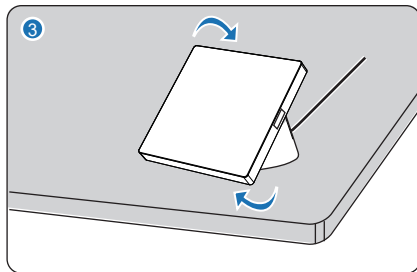
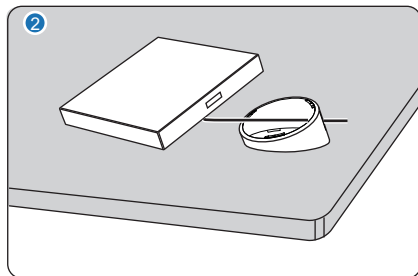
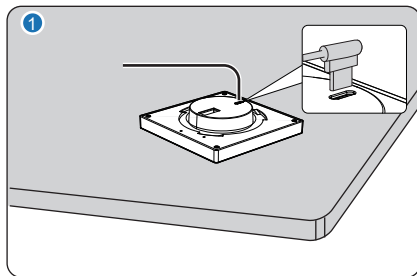


* Select the DC power cable connection method or Type-C connection method according to the actual situation.

* When installing the DC power cable, always connect the negative first, and then the positive.

Quick Installing (table)

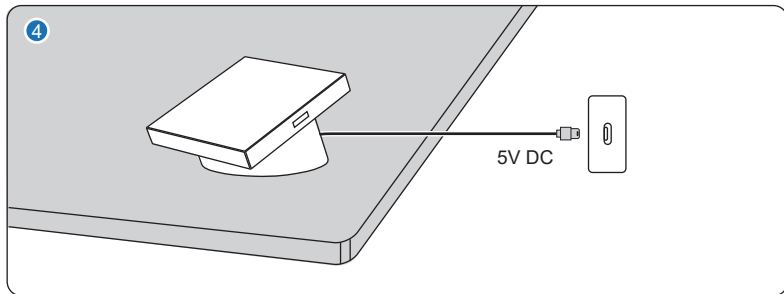
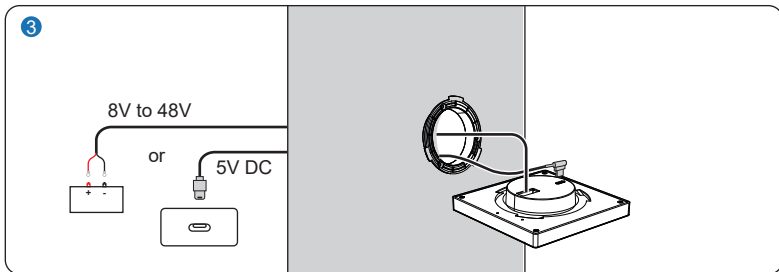
Select optimal mode based on daily detection needs and start installing.



* When placing the energy screen on a desktop, we recommend using the Type-C wiring method.

Wiring

Choose the DC power cable or Type-C cable included in the box based on the actual situation.



Product Network Configuration

Software installation

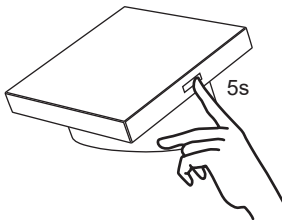
According to the mobile phone operation system, find "smart life", in the Android or Apple store, download the App, register a personal account and log in.

1. Scan the QR code and install the opened app on your smartphone.
2. Android phone users: Search for Smart Life in Google Play.
3. iPhone users: Search for Smart Life in the App Store.



Adding device

1. Open the App on your mobile phone and select "Add Device" to enter the network search page.
2. Press and hold the button on the device for 5 seconds to enter the network mode, with the indicator light flashing.
3. The App will automatically discover the device; click to add and enter your WiFi information.
4. Complete the network setup, and the device information will appear in the App list.



Declaration of Toxic and Hazardous Substances in Electronic Products

Part Name	Toxic or hazardous substances and elements					
	Lead (Pb)	HG(Hg)	Cadmium (Cd)	Hexavalent chromium (Cr VI)	PBBs (PBB)	Polybrominated diphenyl ethers (PBDE)
Metal parts	X	O	O	O	O	O
Plastic parts	O	O	O	O	O	O
Circuit board	X	O	O	O	O	O
Power (if available)	X	O	O	O	O	O
Appendix	X	O	O	O	O	O

This table is prepared according to the provisions of SJ/T 11364-2014

O: Indicates that the content of the toxic and hazardous substance in all homogeneous materials of the part is below the limit requirement specified in GB/T26572-2011

X: Indicates that the content of the toxic and hazardous substance in at least one homogeneous material of the part exceeds the limit requirement specified in GB/T26572-2011

FCC Regulations:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

* RF warning for Portable device:

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 20cm between the radiator & your body.

Declaration Of Conformity European Notice



This product complies with essential requirements and other relevant provisions of Directive 2014/53/EU, 2014/30/EU, 2014/35/EU, 2011/65/EU.



This product must not be disposed of as normal household waste, in accordance with EU directive for waste electrical and electronic equipment (WEEE-2012/19/EU). Instead, it should be taken to the point of sale or municipal recycling point for disposal.



The numbers on this label indicate that the product's environment protection use period under normal use is 10 years. Some components may also have an environmental protection use period mark, and the environmental protection use period is subject to the number in the mark.

Certificate:



RoHS

