

Overview

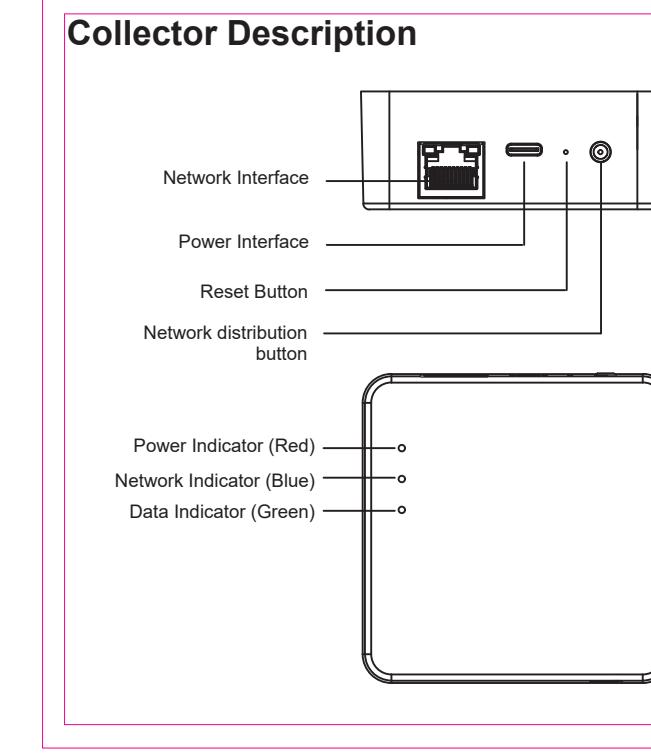
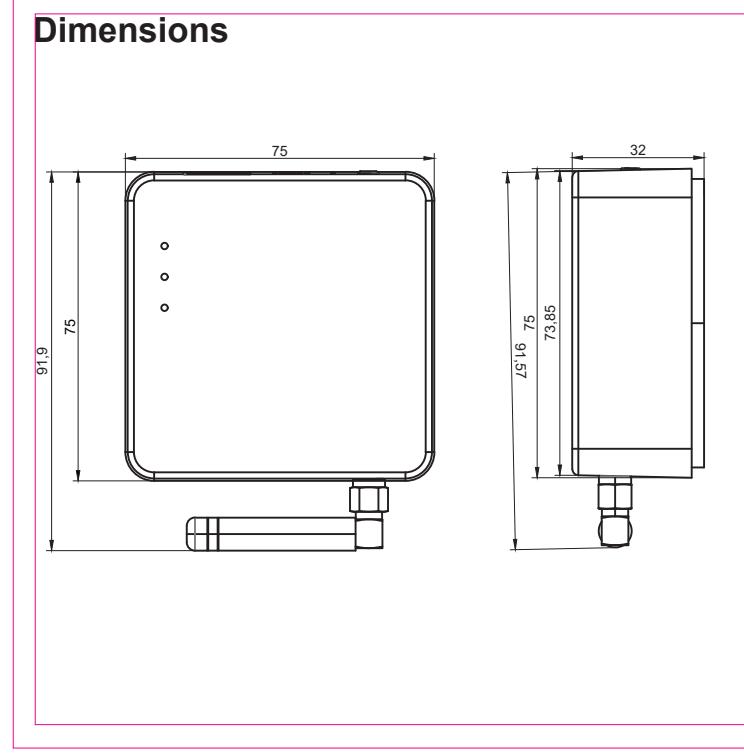
EnergyMate is an intelligent energy IoT collector that supports real-time collection of single-phase current, voltage, power (active/reactive/apparent), frequency, and power factor. Millisecond sampling frequency (5Hz). Report export (daily/monthly/yearly energy consumption report) allows you to monitor your household energy consumption data at any time. AI technology is introduced to support load forecasting, equipment life forecasting, and carbon emission statistics.

Product Technical Parameters

Input voltage	DC5V
Input Current	2A
Static power consumption	≤1W
Ethernet	1000M Ethernet RJ45 interface
Wireless Communications	WiFi BLE dual-mode communication
Collection frequency	5Hz
Indicator Lights	Power indicator, network indicator, data indicator

Functional Description

Function	illustrate
Voltage acquisition	Real-time voltage acquisition, supporting the main circuit and 18 branches
Current acquisition	Real-time stream acquisition, supporting the main loop and 18 branches
Power collection	Power Accumulation
NILM	Support identification of electrical appliances above 50W



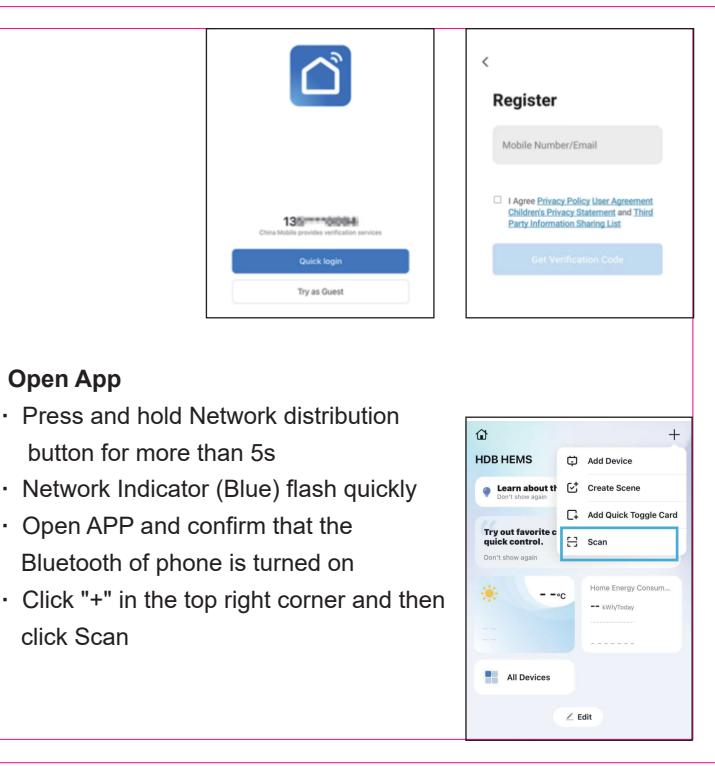
Pairing Instructions

a. Download the App:
Search for Smart Life in Apple's App Store and other major app stores, or scan the following QR code to download the Smart Life app.



b. Register an Account:

- If a testing account exists, log in and skip this step.
- For new accounts:
 - Open the app and select Register.
 - Set the region to Singapore.
 - Enter the required details: username, password, and verify the email.
 - Ensure the account is created successfully and log in.



The camera of phone is aimed at the QR code on the EnergyMate



Added successfully, App jumps to EnergyMate detail page

EnergyMate Status :

- Network Indicator (Blue) is always on
- Data Indicator (Green) flash

Button/Indicator Light Description

Buttons

- Network distribution button : Press and hold for 5 seconds to enter network distribution mode
- Reset Button : Short press 5 times, long press 5S to restore factory settings

Indicator Lights

- Power Indicator (Red) : Always on when powered on
- Network Indicator (Blue) :

Exit network configuration mode when network configuration fails or network configuration fails	Off
Entering network configuration mode	Fast flash (200ms on, 200ms off)
The network configuration is successful and the Bluetooth or LAN is connected	Always on
Bluetooth is disconnected or Wi-Fi LAN is disconnected	Slow flash (1000ms on, 1000ms off)
- Data Indicator (Green) : Flashes quickly when reading CCU data	

Product Configuration Table

EnergyMate X 1	
network cable X 1	
Power adapter X 1	
Screws X 3	
Reset needle X 1	
harmful substance content table X 1	

