

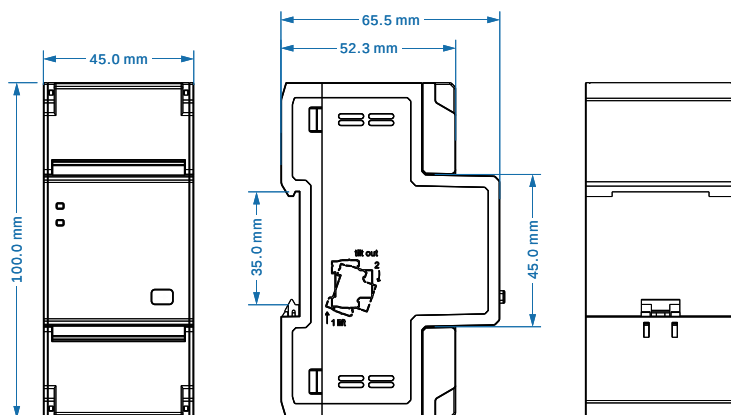
SUNSHARE

SR-SM100-3P
Wi-Fi Smart Meter
Quick Guide

1 Overview

1.1 Models

Type	Width(18 mm module in Din rail mounting)	Dimension (L*W*H)/mm	Net weight/g
SR-SM100-3P	2.5	100×45×65.5	Approx. 143.5



NOTE Unmarked tolerance is $\pm 1\text{mm}$;
The appearance, dimensions information please refer to the actual product received.

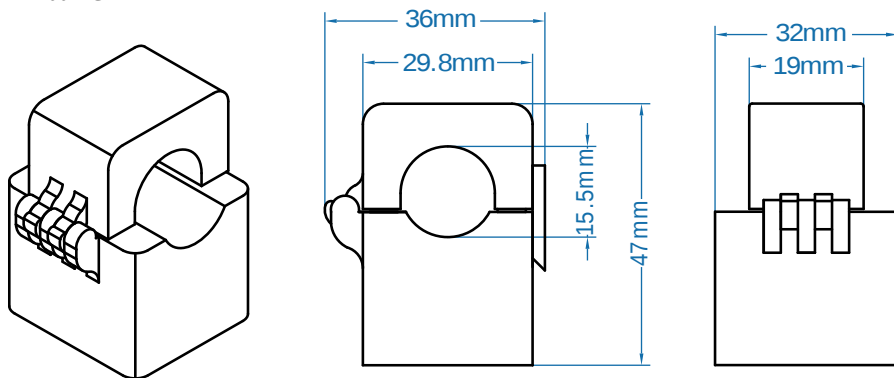
1.2 Performance and Specification

Category	SR-SM100-3P
Nominal voltage	$3 \times 220/380\text{V} \dots 3 \times 240/415\text{V}$
Nominal current	100A/40mA
Frequency	50/60Hz
Voltage range	0.8Un-1.15Un
Accuracy class	Class B
Power grid system	3P4W
Wi-Fi protocol	802.11b/g/n
Bluetooth protocol	5.0
Temperature	$-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$ (nominal), $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (ultimate)
Way to install	DIN-Rail Mounting

1.3 Current transformer(CT)

Type	Cable length/mm	Net weight per CT/g
100A/40mA	1000 ± 20	Approx. 79

- 100A CT



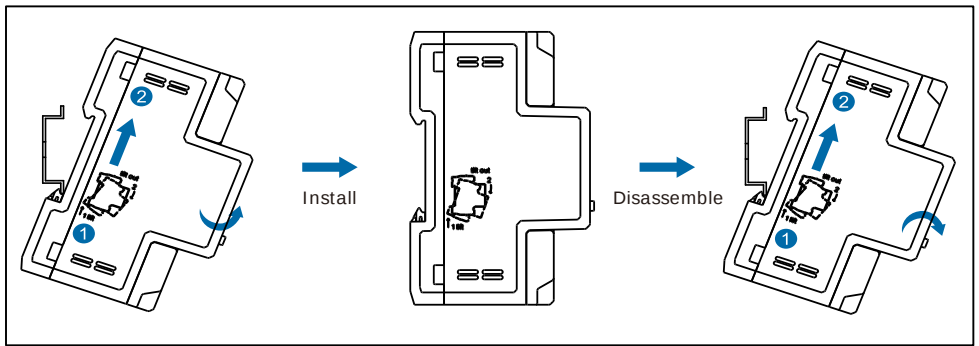
NOTE

The dimensional tolerance is $\pm 1\text{mm}$;

The appearance, size and information are subject to actual objects.

The maximum tensile force of each CT cable is 15N·m. Press the buckle of the CT assemble connector and pull out.

2 Installing



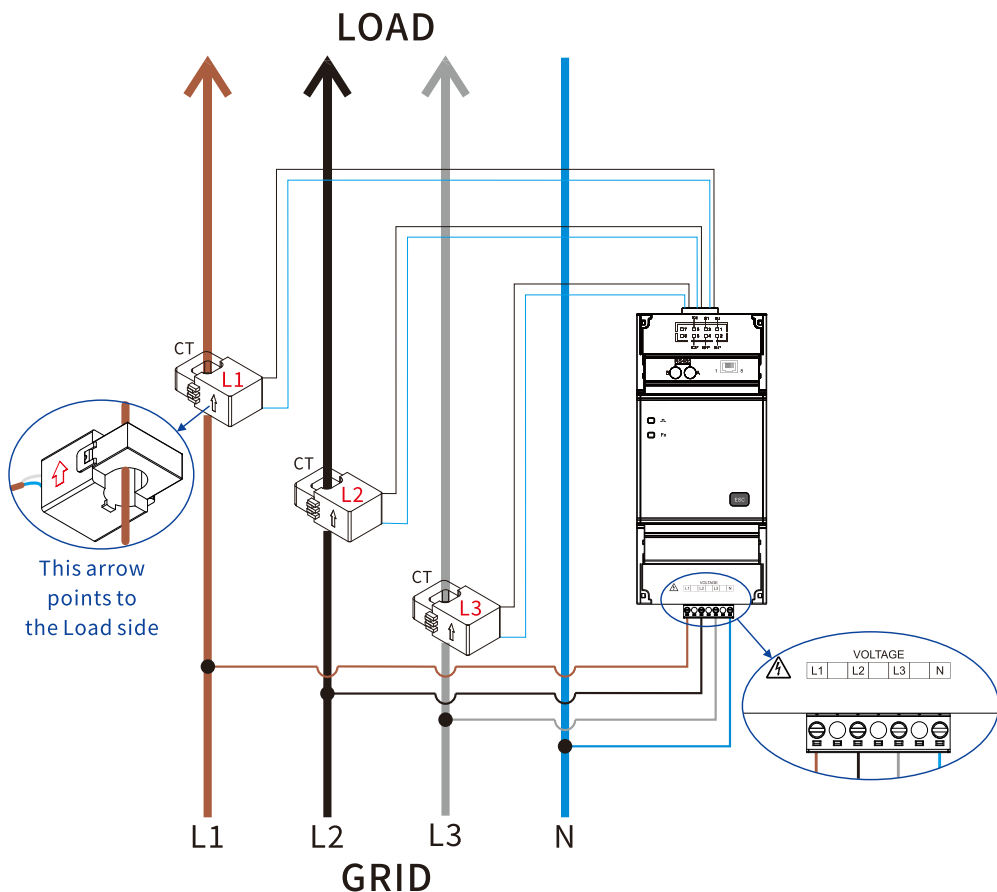
3 Installing the Cable

3.1 Prepare cables

Cable	Port	Type	Conductor Cross-sectional Area Range	Outer Diameter	Source
AC power cable	L1 or UA	Multi-core outdoor copper cable	1.5mm ² ~2.5mm ²	3mm~5mm	Prepared by the customer
	L2 or UB				
	L3 or UC				
	N				
CT cable	L1 or IA*、IA	/	/	/	/
	L2 or IB*、IB				
	L3 or IC*、IC				

NOTE The maximum torque for terminals L, and N is 0.5N · m, and the recommended torque is 0.45N · m, The recommended stripping length for voltage cables is 7mm.

3.2 Wiring diagram



⚠ CAUTION

Before connecting cables, ensure that the Smart Meter is not damaged in any way; Please ensure that the grounding wire is securely installed; Before powering on, please ensure that the wiring is correct, otherwise electric shock, damage to the smart meter, or fire may occur; Pay attention to the installation direction of the current transformer, the arrow on the current transformer must point to the household load side.

4 User Interface

4.1 LED overview

- **LED**

“” indicates energy pulse; “” is a red blue dual color function indicator light.

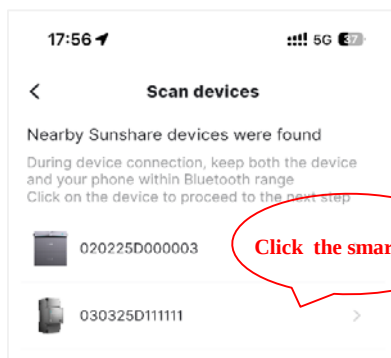
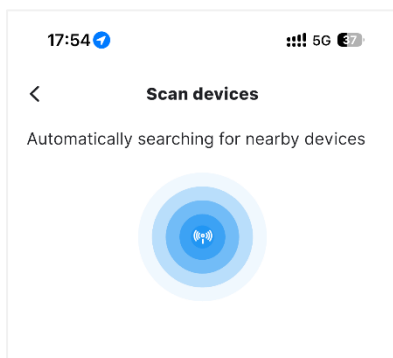
No.	Description	Fn Light Status
1	Wi-Fi reset	The blue light flash slowly(every 1s)
2	Wi-Fi connection	The blue light flashes quickly(every 0.25s)
3	Online (LED turn on)	The blue light always on
4	Online (LED turn off)	The LED turns off
5	Offline	The red light flashes slowly(every 1s)
6	Device failure	The red light always on

4.2 Button

SET button can be used as reset Wi-Fi information, long pressing for 5 seconds will make the blue light of the smart meter flash slowly and reset the Wi-Fi information.

5 Wi-Fi network configuration

- ① Scan the QR code on the right to download the APP (iShareCloud)
- ② Register/log
- ③ Ensure that the blue indicator light of the smart meter is flashing slowly.
- ④ Enter 'Device network configuration' to start Bluetooth scanning



④ Connect to home WI-FI

< **Device network configuration**

Wi-Fi configuration

Manually enter 2.4G Wi-Fi

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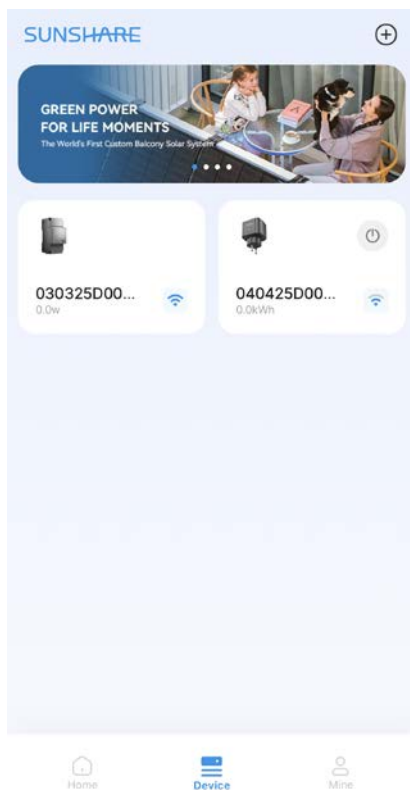
Click to select WIFI

.....

Please do not leave spaces in the Wi-Fi password. All numbers/letters (uppercase or lowercase)/special characters should be accurate

☒ Remember password

Next



NOTE The usual name for smart meter equipment is the same with serial number printed on the side. The maximum SSID input is 32 bytes, and the maximum password is 63 bytes. Only numbers, letters, and symbols are supported.

CAUTION At present, the smart meter only supports 2.4GHz frequency band Wi-Fi. If the scanning failed, press meter button for 5 seconds to reset the connection, then try step 4 again

6 Diagnosis , analysis and elimination for common faults

Fault phenomenon	Reason analysis	Elimination
No LED turn on after the instrument being powered on	1.Incorrect wiring mode. 2.Abnormal voltage supplied for the instrument.	1.If the wiring mode is incorrect, please connect based on the correct wiring mode (see the wiring diagram). 2.If the supplied voltage is abnormal, please supply the voltage on the instrument specification.
Power metering inaccuracy	1.Wrong wiring, please check whether the corresponding phase sequence of voltage and current is correct. 2. Check whether the CT specification is correct. Note : Pa, Pb, and Pc are abnormal if the values are negative. (except for some special equipment).	1.For wrong wiring, please connect based on the correct wiring mode (see the wiring diagram). 2.If a negative value is displayed, change the cable connection mode of the current transformer to ensure that the high and low ends are connected properly.
Connection to router failed	1.Wi-Fi name or password input error. 2. The router does not support the 2.4GHz frequency band. 3. Not within the coverage range of the router signal. 4. The router has set MAC address filtering and the device is not on the whitelist. 5.Incorrect use of equipment antenna.	1.Check if the Wi-Fi name or password is entered incorrectly. Names can support up to 32 characters, passwords can support 8-63 characters, and Wi-Fi names and passwords only support letters, numbers, and symbols. 2. Check if the router supports the 2.4GHz frequency band. Currently, the device only supports connecting to Wi-Fi in the 2.4GHz frequency band. 3. Move the device within the signal coverage range of the router to avoid wall obstruction. 4. Check if the router has set MAC address filtering. If so, add the device's MAC address to the whitelist or disable the MAC address filtering function. 5. Check the position of the antenna and try to install it within the signal coverage range of the router, ensuring that the antenna segment is tightened. Do not disassemble or replace the antenna without authorization, as non original antennas may cause the device to malfunction.

7 Warranty and Service

The manufacturer implements three guarantees for product quality. Within 18 months from the date of delivery, if the user fully complies with the provisions of this manual and the factory seal is still intact, the instrument is found damaged during use, and the company is responsible for free repair or replacement.

8 Environmental protection

Dear customer:

Please help us do one thing, when this product at the end of its life, in order to protect our environment, please do a good job of recycling the product or its parts and materials. Please also dispose of materials that cannot be recycled. Thank you very much for your cooperation and support.

9 Statement

1. The products, services or features purchased by you are subject to the commercial contracts and terms signed with the Company, and all or part of the products, services or features described in this manual may not be included in the products purchased by you.
2. Except as otherwise agreed in the contract, the Company makes no representations or warranties, express or implied, about the contents of this specification.
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10 Manufacturer Information

Manufacturer	Sunshare Technology Co.,Ltd.
Address	Building A, No. 2999 Jiyin Avenue, Jiangning District,Nanjing, P. R. China.
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E-mail	support@sunsharetek.com

11 Installation guide video

Please scan the QR code below to view the installation guide video for the Smart Meter.

