

ZENDURE B0CW17PQPP Smart Meter CT Installation Guide

Home » ZENDURE » ZENDURE B0CW17PQPP Smart Meter CT Installation Guide



Contents

- 1 ZENDURE B0CW17PQPP Smart Meter CT
- **2 Product Usage Instructions**
- **3 Frequently Asked Questions**
- 4 Before You Begin
- **5 FCC STATEMENT**
- **6 Specifications**
- 7 Safety Instructions
- **8 Product Features**
- 9 Installation
- 10 Contact
- 11 Documents / Resources
 - 11.1 References
- **12 Related Posts**



ZENDURE B0CW17PQPP Smart Meter CT



Specifications

• Name: Smart Meter CT

Model: ZDSMCTWeight: 181g

• **Dimensions:** 140 x 35 x 77mm

• Rated System Voltage: 100~240Vac

• Frequency: 50/60Hz

• Consumption: Max Measurement per Channel

• Ingress Protection: IPXX

Product Usage Instructions

Before You Begin

The information contained herein is subject to change without notice. For the latest version, please visit **Zendure Download Center**.

Safety Instructions

Ensure to read all safety instructions provided in the user manual before proceeding with the installation and usage of the Smart Meter CT.

Product Features

- What's in the Box: List of items included with the Smart Meter CT.
- **Diagrams:** Visual representations to assist with installation.

Installation

Follow the step-by-step installation guide provided in the user manual to correctly install the Smart Meter CT for accurate measurements.

Frequently Asked Questions

· Q: How do I claim the product warranty?

 A: To claim the product warranty, scan the QR code provided in the user manual to visit the Zendure Help Center and submit a ticket.

Q: Where can I find information on return, refund, and warranty policy?

 A: Scan the QR code provided in the manual for the most up-to-date information on return, refund, and warranty policy for your product.

Contact Us/Claim the Product Warranty

If you have any questions or need to claim the product warranty, please scan the QR code below to visit the Zendure Help Center and submit a ticket.



Return, Refund and Warranty Policy

Please scan the QR code below for the most up-to-date information on the details of the return, refund, and warranty policy for your product.



DISCLAIMER

The Zendure Smart Meter CT should be installed by a qualified electrician who is knowledgeable about electrical codes, and wiring practices, and experienced with home electrical systems. Any accident, damage or injury caused by incorrect installation is the sole responsibility of the user. Read all safety instructions and other product information in this manual carefully, and read any labels or stickers attached to the product before using it. Users take full responsibility for the safe usage and operation of this product. Familiarize yourself with relevant regulations in your area. You are solely responsible for being aware of all relevant regulations and using Zendure products in a way that is in a compliant manner. Keep this manual for future reference

Before You Begin

The information contained herein is subject to change without notice. For the latest version, please visit https://zendure.com/pages/download-center

FCC STATEMENT

- 1. 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.
 - 2. This device must accept any interference received, including interference that may cause undesired operation.
- 2. Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 the receiver.
- Connect the equipment to 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.

FCC Radiation Exposure Statement

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

Specifications

The Zendure Smart Meter CT is an energy meter and IoT device within Zendure's ecosystem. It allows users to monitor energy consumption, track solar panel energy production, and control the SolarFlow output to household appliances simultaneously. The Zendure Smart Meter CT can measure the current and voltage of two single phase circuits, such as common 120V circuits. However, it does not support parallel feed configurations or comprehensive three-phase monitoring. In homes with threephase electricity systems, the Zendure Smart Meter CT can only monitor two-phase

Name	Smart Meter CT
Model	ZDSMCT
Weight	≈ 181g
Dimensions	140 x 35 x 77mm
Rated System Voltage	100~240Vac
Frequency	50/60Hz
Consumption	<1.1W
Max Measurement per Channel	150A
Ingress Protection	IP44
Operating Temperature	-20 ° C 70 ° C -4 ° F 158 ° F
Storage Temperature	-40 ° C 85 ° C (-40 ° F 185 ° F)
Operating Humidity	5% 95%
Max Operating Altitude	3000m / 9840ft
Wireless Type	Bluetooth, Wi-Fi

Safety Instructions

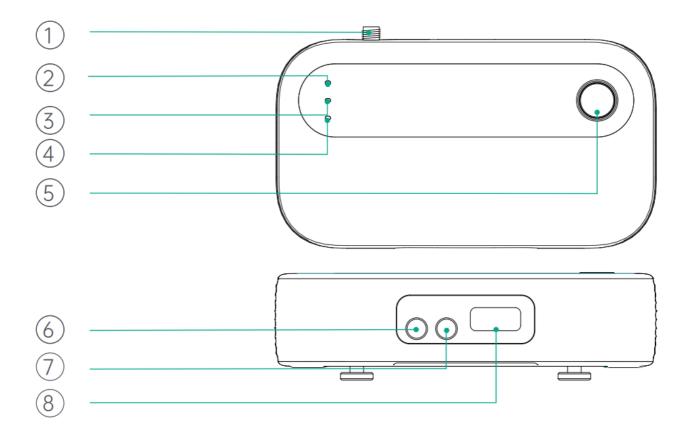
- 1. The product should be installed by a qualified electrician.
- 2. Before operating, check if the Smart Meter CT or its cables are damaged or cracked. If any damage is found, stop using the product immediately and contact Zendure support.
- 3. Do not allow unauthorized personnel to replace internal components. This action voids the warranty, and any related safety risks are solely the user's responsibility.
- 4. Install the product according to the user manual to prevent injury or product damage.
- 5. Ensure that the service panel is disconnected before installation.
- 6. Do not install or operate the product outdoors, expose it to moisture, or submerge it in liquid. Clean the ports with a dry cloth only.
- 7. Do not use the product if it is damaged or appears to be damaged. Do not disassemble the product. Consult official Zendure channels for service or repair. Incorrect disassembly or reassembly may pose a fire risk or cause injury.
- 8. Adhere to all local and national safety regulations for installation and use.
- 9. This product is intended solely for residential use, and any use in non-residential settings may void warranties and pose safety risks, for which the manufacturer assumes no liability.
- 10. Keep out of reach of children and pets.

Product Features

What's in the Box



Diagrams



- 1. IoT Antenna
- 2. IoT Indicator

The green light flashes during pairing and will stay lit once the device is paired.

3. REV Indicator

Illuminates red when current is flowing back into the grid.

4. RUN Indicator

Stays lit when powered on and blinks green during pairing.

5. IoT/Reset Button

Press the button for 3 seconds to pair and connect to a Wi-Fi network or Bluetooth, and press and hold for 10 seconds to factory reset.

6. CT1 Input

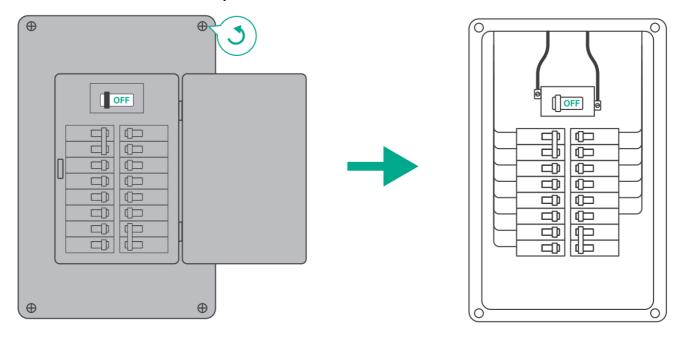
- 7. CT2 Input
- 8. AC Power Input

Installation

Step 1

Turn off the main breaker and remove the cover of service panel. Open the door and turn off the main breaker. Then, proceed to remove the screws and detach the panel cover.

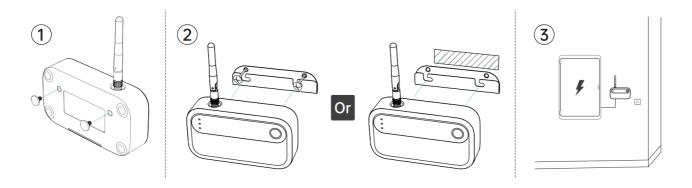
Caution The service mains are always live



Step 2

Mount the Smart Meter CT.

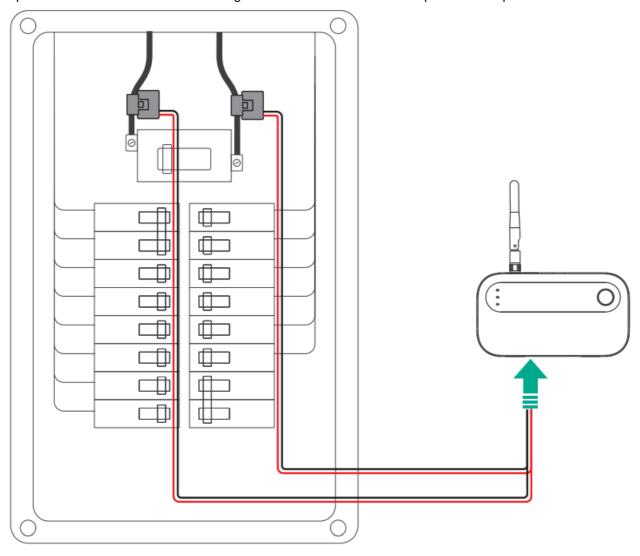
Install the Smart Meter CT inside or outside the panel using the provided mounting kit.



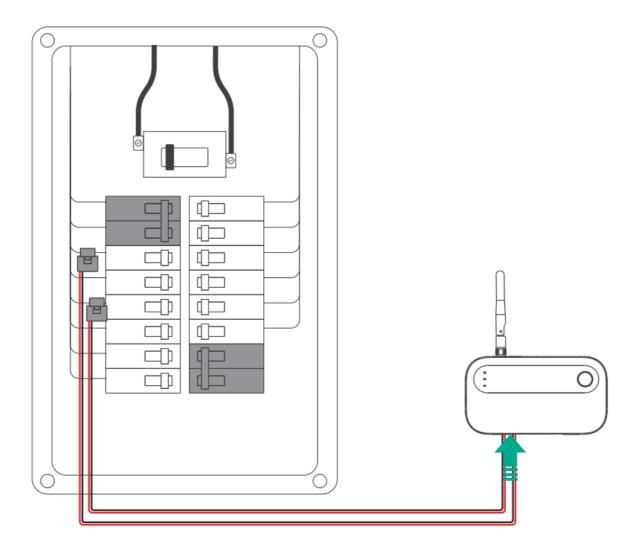
Step 3

Clamp the sensors.

Clamp the sensors onto the two mains to gain an overview of the consumption of both phases.

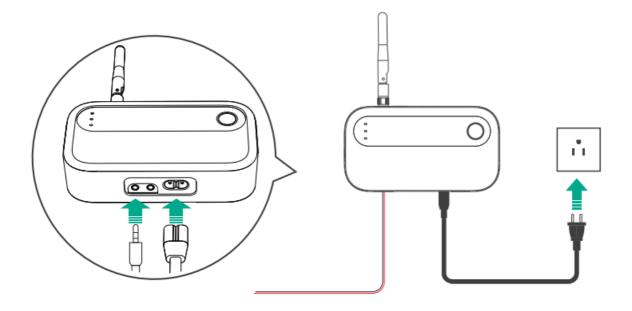


You can also clamp the sensors onto the 120V circuits you wish to measure. It is recommended to select branch circuits that are on the same phase as the socket powering the meter



Step 4

Power the meter and check the REV Indicator. Plug the power harness securely into the Smart Meter's AC power input connection until fully inserted, then connect the plug to a 120V power outlet and turn on the main breaker. Next, plug the two sensor connectors into the Smart Meter. Ensure no current is flowing back to the grid. Plug the sensor into the CT1 port, and check if the REV Indicator lights up red. If it does, adjust the direction of the sensor clamp. Then, plug the second sensor into the CT2 port and repeat the check.

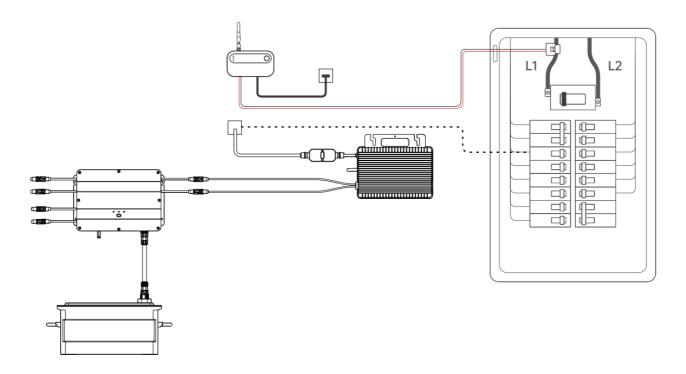


Step 5

Bind smart meter to the App and activate the Smart CT Mode. Please read the Zendure app user guide download the app using the QR code above or by visiting https://zendure.com/pages/download-center. Bind the Smart Meter CT to the Zendure App and update the firmware to the latest version



To use the Smart Meter CT with SolarFlow in Smart CT mode, clamp the sensor onto the same main where the SolarFlow is connected to. Also, ensure both the Smart Meter CT and SolarFlow are on the same phase. To verify if the two devices and sensor are on the same phase, increase the SolarFlow output and observe which monitored main shows a corresponding decrease in consumption. Bind SolarFlow to that phase and activate Smart CT Mode in the Zendure App.



Step 6

Close the cover of the service panel.

Ensure the Zendure Smart Meter CT is operational, then close the service panel cover.



• https://zendure.com

Contact

- Zendure USA Inc.
- ZENDURE TECHNOLOGY CO., LIMITED
- Hours: Mon Fri 9:00 17:00 Pacific
- Phone: 1-800-991-6148 (US)
- +49-<u>800-627-3067</u> (DE)

Support / Contact:

- https://zendure.de/pages/contact
- https://eu.zendure.com/pages/contact-us
- https://zendure.com/pages/contact

Website:

- https://zendure.de
- https://eu.zendure.com
- https://zendure.com

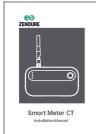
2024 Zendure USA Inc.All Rights Reserved. Printed on recycled materials. Made in China

• EU Importer: Zendure DE GmbH

• Address: Rheinallee 1,40549 Düsseldorf

E-mail: <u>sales@zendure.com</u>
Phone: 0049-<u>800-627-3067</u>

Documents / Resources



ZENDURE B0CW17PQPP Smart Meter CT [pdf] Installation Guide B0CW17PQPP Smart Meter CT, B0CW17PQPP, Smart Meter CT, Meter CT, CT

References

- Contact Customer Service Zendure Zendure EU
- © Contact Us Zendure
- Sendure Deutschland | SuperCharged
- Sontaktieren Sie den Kundendienst Zendure
- User Manual

Manuals+, Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.