# RENOGY ONE Core

**RSHGWSN-W02W-G3**

VERSION A1
April 14, 2025

# QUICK GUIDE

## Before Getting Started

The quick guide provides important operation and maintenance instructions for Renogy ONE Core (hereinafter referred to as Core). Renogy ONE Core comes in two models: RSHGWSN-W02W-G1 (no CAN communication) and RSHGWSN-W02W-G2 and later versions (with CAN communication). 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 Renogy ONE Core, potentially rendering it inoperable.

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## Online Manual

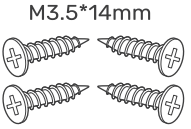
Quick Guide

User Manual

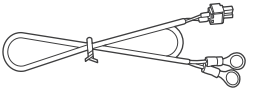
## What's In the Box?

RENOGY ONE Core × 1

Quick Guide × 1

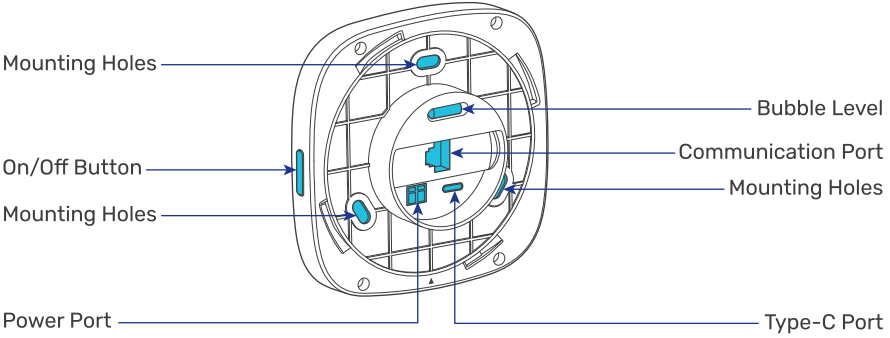



Mounting Screws × 4
(1 extra)

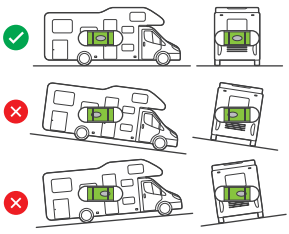


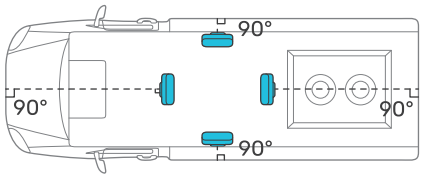
Power Cable (5m) × 1

## Get to Know RENOGY ONE Core



## Installation Site and Environment





≤5000m

-4°F to 158°F
-20°C to 70°C

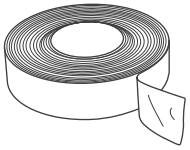
0% to 95%

**NOTE**

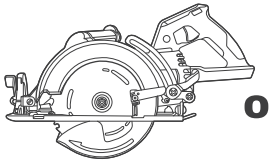
- To enable the RV leveling function (only available for regions outside the U.S.) on Renogy ONE Core, ensure it is installed in a spot with the screen pointing to the front, rear, left, or right side of the RV, vertically to the RV floor. It is recommended that RV leveling blocks should be used during the leveling process.

## Required Tools

Phillips Screwdriver (#1)

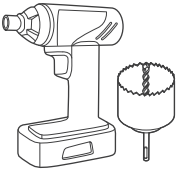


Insulation Tape



Skill Saw

**or**



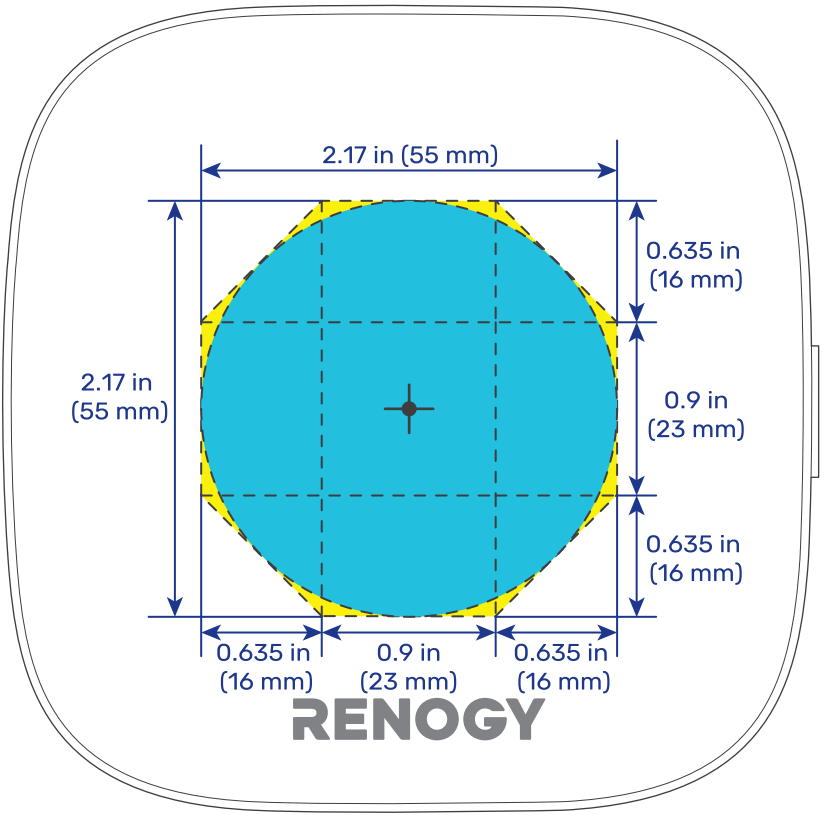
Impact Drill with Hole Saw, 2.17in/55mm

**NOTE**

- You can use either a skill saw or an electric drill with hole saw.

## Mounting Template

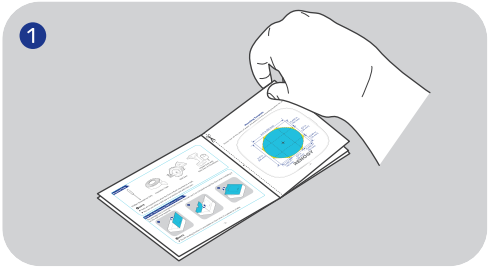
Please tear off this piece of paper and paste it to the mounting location for drilling holes.

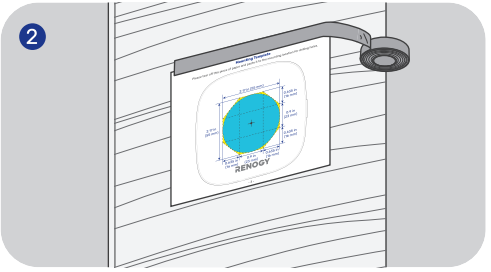


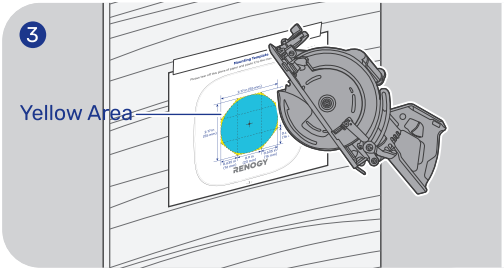
## Step 1. Mount Renogy ONE Core

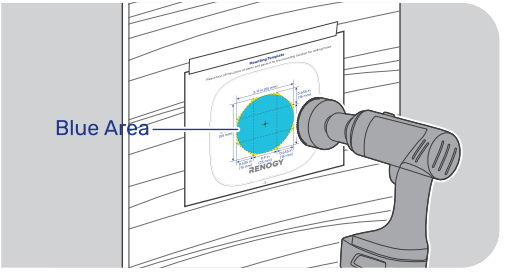
**NOTE**

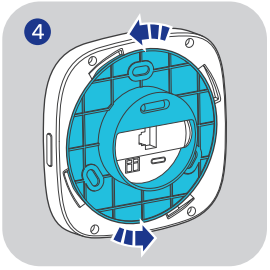
- You can also use another piece of paper as the mounting template. The installation hole comes in 2.17 in × 2.17 in (55 mm x 55 mm).

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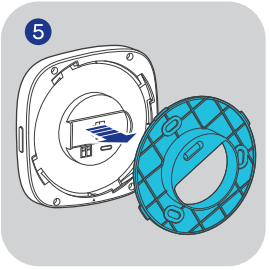
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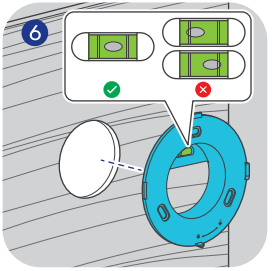
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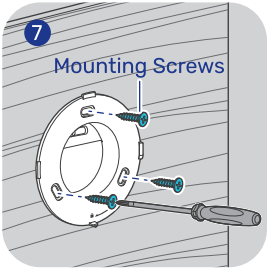
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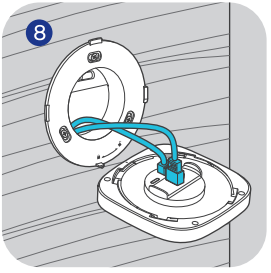
Mounting Screws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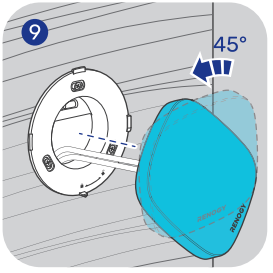
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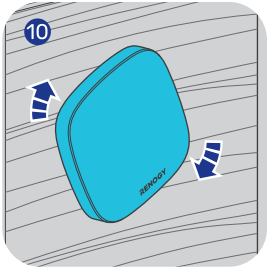
45°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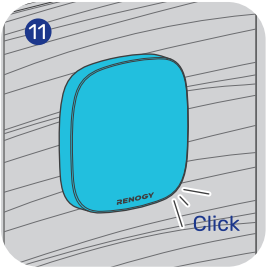
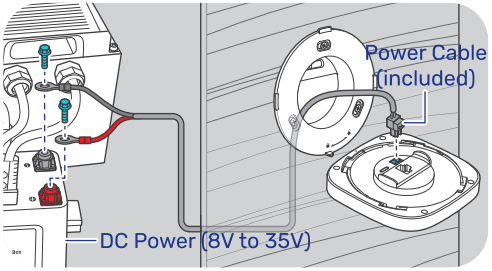
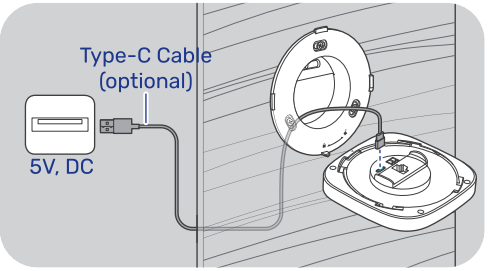

11
Click

## Step 2. Connect Renogy ONE Core to a Power Supply

You can connect Renogy ONE Core to a power supply through the included power cable or a Type-C cable (not included).



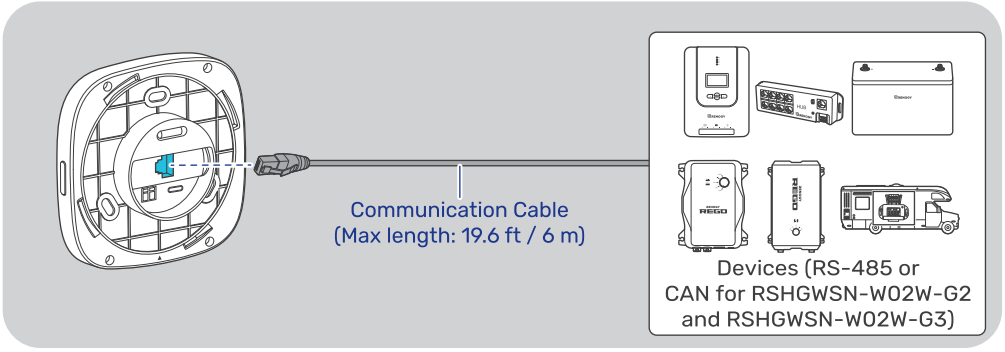




**NOTE**

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

## Step 3. Install a Communication Cable (Optional)

For details, see the Renogy ONE Core User Manual by scanning the QR code in the guide.




## Step 4. Power On/Off

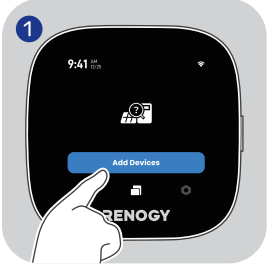
Long press the On/Off Button for 5s to power the Core on or off.

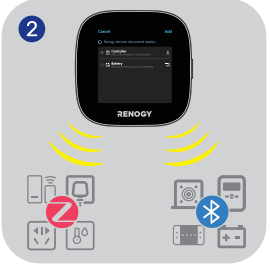
## Step 5. Pairing with the Renogy App

For initial startup, follow the startup wizard on the Core to pair it with the Renogy app. Alternatively, go to ⚙ > **System > Pair with App.**

## Step 6. Add Devices

Renogy ONE Core can wirelessly connect to Renogy Bluetooth, Bluetooth mesh, and Zigbee devices concurrently.



## RV Leveling (for Regions Outside the U.S.)

**NOTE**

- RV leveling calibration on Renogy ONE Core is required each time the installation site for the Core is changed.

## Important Safety Instructions

- Keep Renogy ONE Core out of the reach of children.
- Do not dispose of Renogy ONE Core as household waste. Comply with local, state, and federal laws and regulations and use recycling channels as required.
- Do not expose Renogy ONE Core to flammable or harsh chemicals or vapors.
- There are no serviceable parts in Renogy ONE Core. Do not open, dismantle, repair, tamper with, or modify it.
- Confirm the polarities of the devices before connecting Renogy ONE Core to a power supply. A reverse polarity contact can result in damage to the Core, thus voiding the warranty.
- Ensure that the connected DC power supply rates at 8V to 35V. Connecting the Core to a power source beyond the range results in a power-on failure or permanent damage to the Core.
- You can use an extended power cable on demand. For details, see Renogy ONE Core User Manual by scanning the QR code in the guide.

## FCC Statement

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.

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

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:
(1) Reorient or relocate the receiving antenna.
(2) Increase the separation between the equipment and receiver.
(3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
(4) 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 minimum distance 20cm between the radiator & your body.

## RSS Standard

This device complies with Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions:
(1) This device may not cause interference, and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

The device is compliance with RF exposure guidelines, users can obtain Canadian information on RF exposure and compliance. The minimum distance from body to use the device is 20cm.

## Renogy Support

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Questionnaire Investigation

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Renogy aims to empower people around the world through education and distribution of DIY-friendly renewable energy solutions.

We intend to be a driving force for sustainable living and energy independence.

In support of this effort, our range of solar products makes it possible for you to minimize your carbon footprint by reducing the need for grid power.

## Live Sustainably with Renogy

Did you know? In a given month, a 1kW solar energy system will...

Save 170 pounds of coal from being burned

Save 300 pounds of $CO_2$ from being released into the atmosphere

Save 105 gallons of water from being consumed

## Renogy Power PLUS

Renogy Power Plus allows you to stay in the loop with upcoming solar energy innovations, share your experiences with your solar energy journey, and connect with like-minded people who are changing the world in the Renogy Power Plus community.

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