For updates, check:

MAN-01-01035-1.1

Support Contact Information
In case of any technical issues with SolarEdge products, please contact us at:
https://www.solaredge.com/service/support

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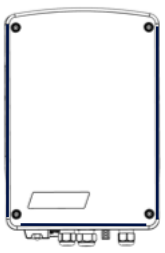
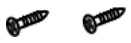
Version: 1.1, June 2023 Subject to change without notice.

What's in the Package


Hot Water Controller

Antenna

Mounting bracket


Mounting bracket locking screws

Required Tools

Drill

Phillips screwdriver

Pencil

Flat screwdriver

X 3
Mounting screws and wall plugs

Level

Quick Installation Guide

v. 1.1

SolarEdge Home Hot Water Controller

Supporting devices

Energy Meter with Modbus Connection

https://www.solaredge.com/sites/default/files/se-energy-meter-with-modbus-quick-installation-guide.pdf

Inline Energy Meter

https://www.solaredge.com/sites/default/files/se-inline-energy-meter-qig.pdf

SolarEdge Home Network Plug-In
https://www.solaredge.com/sites/default/files/se-energy-net-plug-in-installation-guide.pdf

Optionally, a temperature sensor may be used to display the water temperature (purchased separately).
A third-party P100 sensor may also be used.

https://www.solaredge.com/sites/default/files/se_temperature_sensor_installation_guide.pdf

Application Note

https://www.solaredge.com/sites/default/files/se-smart-energy-configurations-and-operations-application-note-row.pdf

Safety and Handling Instructions

- Read this entire document before installing or operating the Hot Water Controller. Failure to do so or to follow any of the instructions or warnings in this document can result in electrical shock, serious injury, or death, or may damage the Hot Water Controller and other property, it can also lead to warranty void.
- Do not discard this document! After installation, keep it adjacent to the Hot Water Controller for future reference!
- Before operating the Hot Water Controller and inverter, ensure that they are properly grounded. The Hot Water Controller must be connected to a grounded, metal, permanent wiring system, or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal or lead.
- Opening the Hot Water Controller and repairing or testing under power must be performed only by qualified service personnel familiar with the Hot Water Controller.

WARNINGS!
This symbol on the product or in the accompanying documentation denotes a hazard. It calls attention to a procedure that, if not correctly performed or adhered to, could result in injury or loss of life. Do not proceed beyond a warning note until the indicated conditions are fully understood and met.

CAUTION!
Denotes a hazard. It calls attention to a procedure that, if not correctly performed or adhered to, could result in damage or destruction of the product. Do not proceed beyond a caution sign until the indicated conditions are fully understood and met.

DANGER!
Before opening the covers and connecting the grid, please make sure that the main CB and the Inverters are OFF.

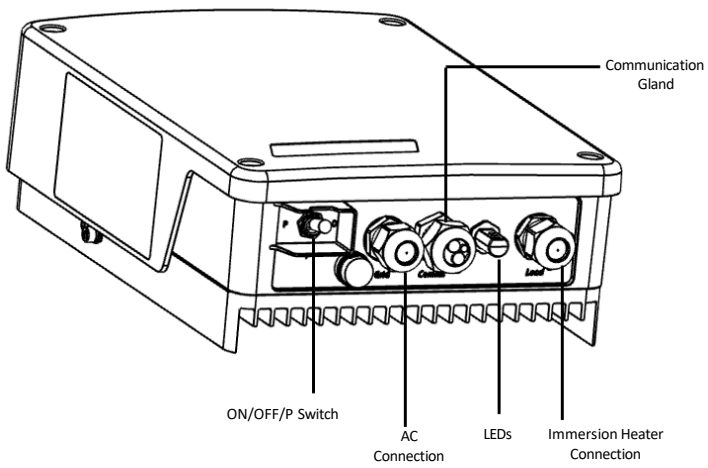
Hot Water Controller Installation Safety

CAUTIONS!

- To avoid damage to electrical equipment, connect only purely resistive loads/ appliances to the SolarEdge Home Hot Water Controller.
- This product must be operated under the specified operating specifications, as described in the latest technical specification data sheet. This product must be used with Immersion Heaters that include a thermostat that shuts off the power when reaching the required temperature.
- Configure the product so that the load connected is not switched on or off more frequently than specified by the load manufacturer.
- Do not connect loads that require a continuous current supply (e.g., fridge, freezer).
- Do not use the product if it is damaged or malfunctioning.
- Never connect loads that can cause injuries or fire if they are switched on unintentionally (e.g., an iron).
- Do not let the product come into contact with water or other liquids.
- The enclosed documentation is an integral part of this product. Keep the documentation in a convenient place for future reference and observe all instructions contained therein.

Note: It is recommended to install a 2-pole magneto-thermal switch breaker between the AC cables coming from the mains and the AC cables going to the Immersion Heater.

Hot Water Controller Interfaces



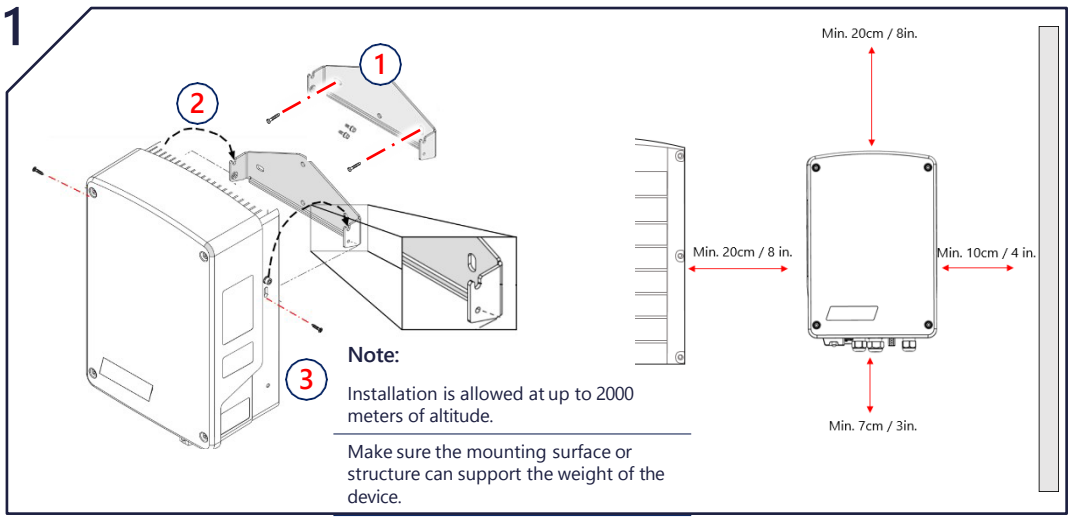
ON/OFF/P Switch: **ON (1)** – start, **OFF (0)** – power off, **P** –perform the following functions:

- Move the switch to **P** for < 3s: Boost mode on/ off.
- Move the switch to **P** for > 10s: Factory reset - disconnects the device from the inverter. After reset, association with the inverter is required.

LEDs – see overleaf.

Mounting and Clearance

1



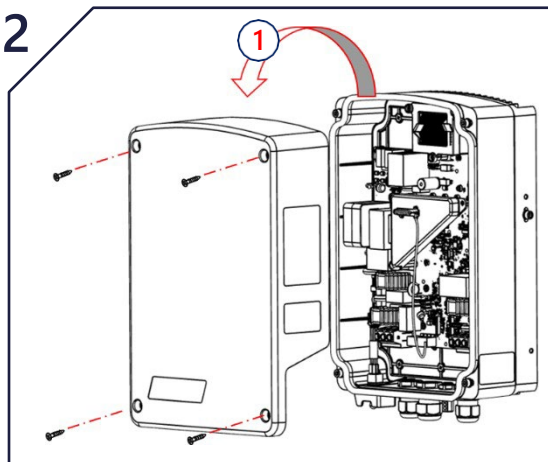
Note:

Installation is allowed at up to 2000 meters of altitude.

Make sure the mounting surface or structure can support the weight of the device.

Removing the covers

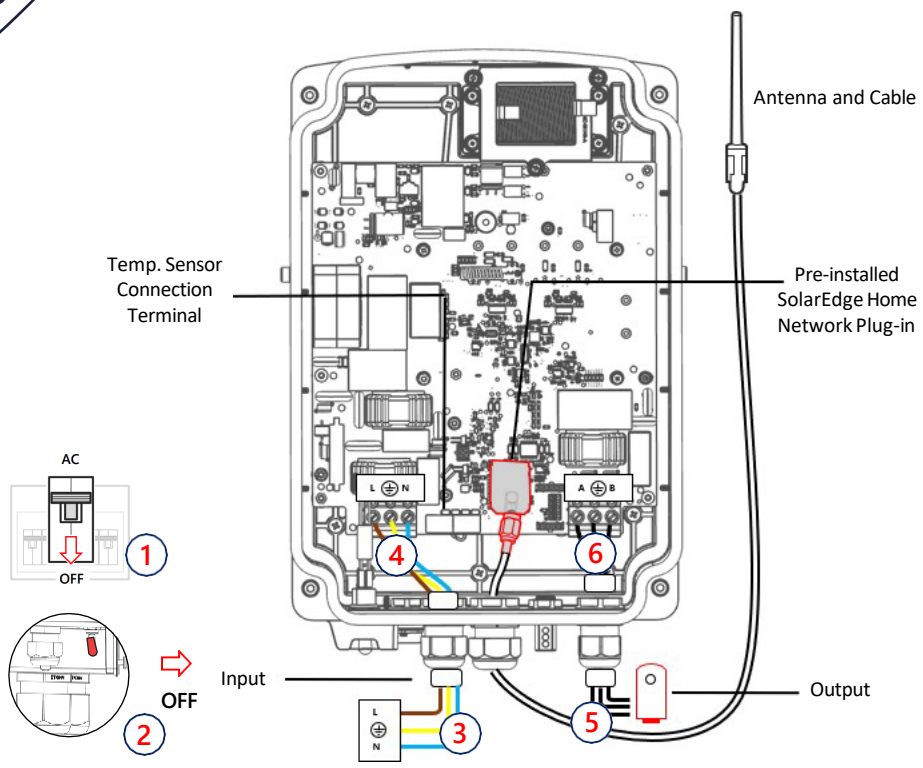
2



WARNING!

Before opening the cover, make sure to turn off the AC circuit breaker and the ON/Off/P switch of the Hot Water Controller.

3



Connecting the Hot Water Controller

WARNING!

Before opening the cover, make sure to turn off the AC circuit breaker and the ON/Off/P switch of the Hot Water Controller.

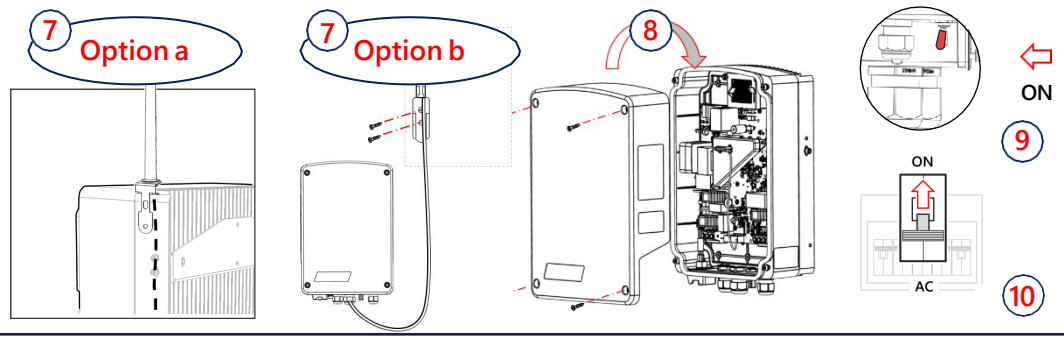
CAUTIONS!

Do not connect the device *output* to the grid, as this will damage the product and void the warranty. Connect the AC grid cable to the designated *input* only.

Do not connect the device to an Immersion Heater that is not equipped with a safe-temperature sensor. You can use Immersion Heaters with mechanical thermostats only.

No additional components are allowed to be connected between the hot water tank and the Hot Water Controller.

Note: See overleaf the alternative Immersion Heater connection methods.



4

Commissioning (Configuration)

1

2

Commissioning

Device manager

Found new devices

Add new devices

Select device

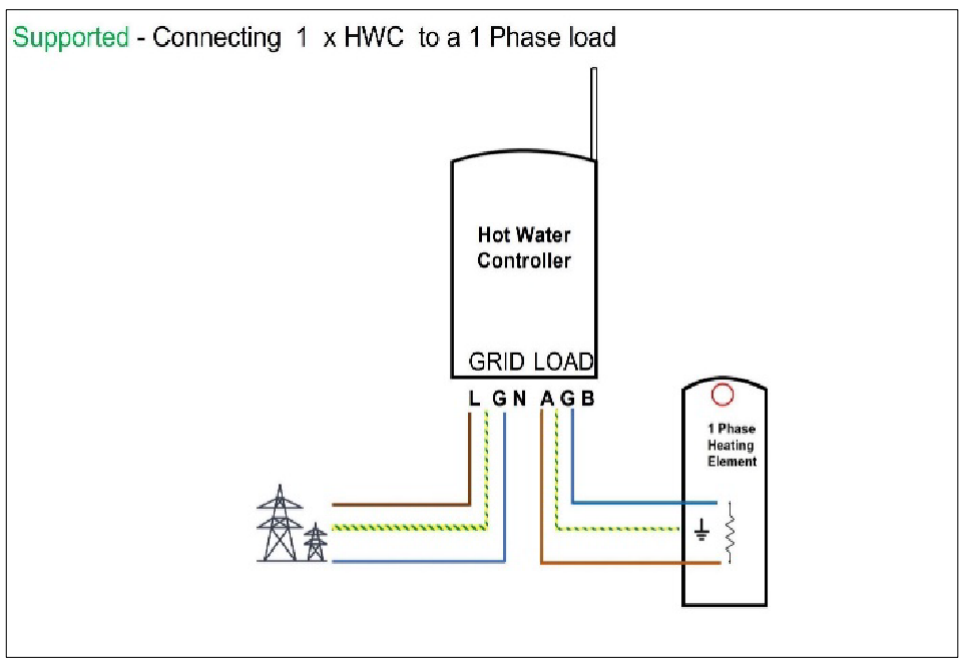
Add device parameters

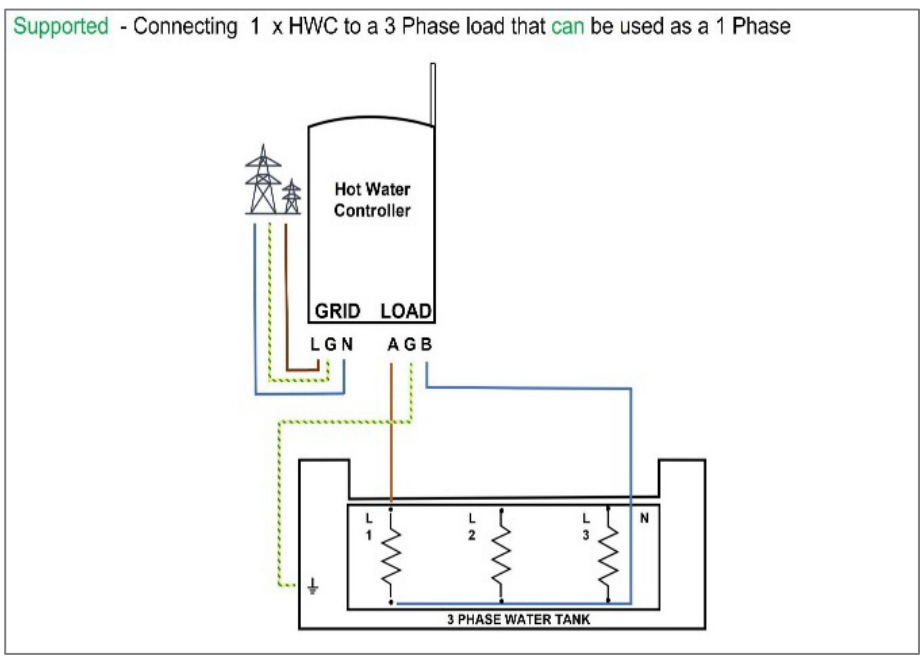
Complete settings in MySolarEdge

Required inverter Firmware CPU version: v4.18xx and later.

1. Run SetApp.
2. Complete schedules and operation modes in mySolarEdge application.

Supported connection methods





LED Indications

All LEDs

ON
- Boot/Reset

OFF
- Not Powered

Power

ON
- Delivering power to the immersion heater
- During Boot/Reset

OFF
- Not powered

Flickering
- No power is delivered to the immersion heater

Communication

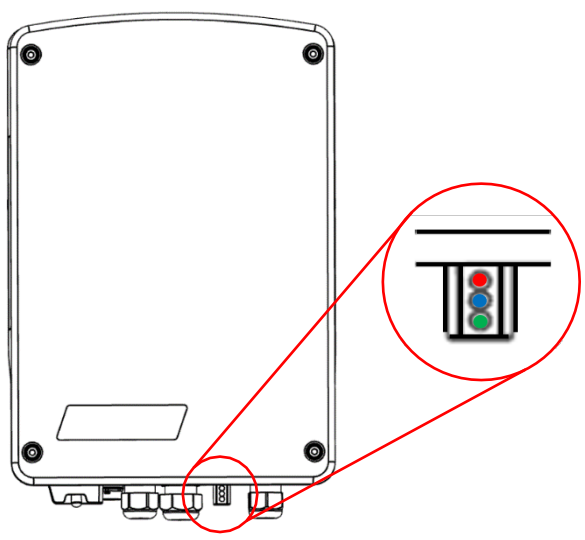
ON
- Connected to Home Network
- Boot/Reset

Blinking
- Scanning for network or connection with Home Network is lost

Blinking for 30 seconds
- Received request for identification

Fault

ON
- Fault
- During Boot/Reset

OFF
- No faults

Note: Flickering: 100mS ON, 5 Sec OFF