



# **solar edge ENET-HBPN-01 Plug In Home Network Installation Guide**

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## **solar edge ENET-HBPN-01 Plug In Home Network**



The installation of the SolarEdge Home Network Plug-in must be performed by a qualified installer only. Make sure to follow all safety and handling instructions specified in the inverter installation guide.

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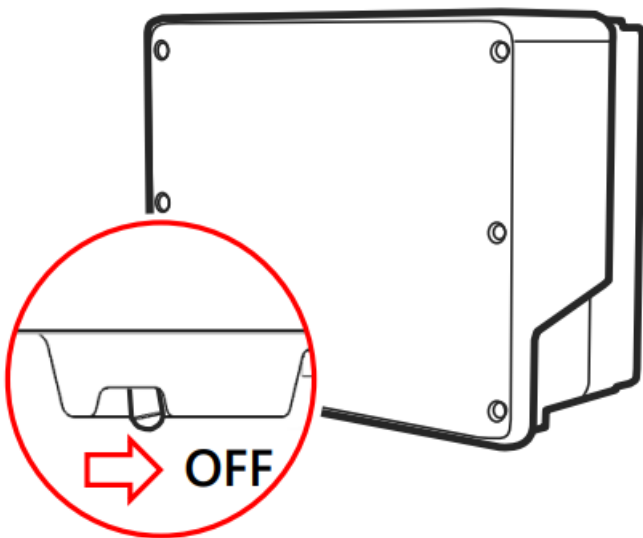
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## Install the Antenna

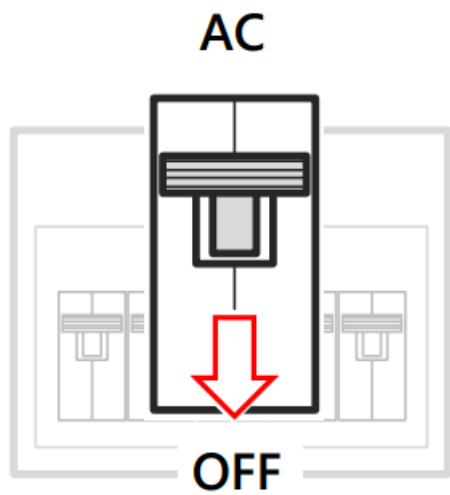


To avoid electric shock, refer to safety instructions in the inverter installation guide before removing the inverter cover.

1. Turn off the inverter ON/OFF/P switch and DC safety switch (if applicable).



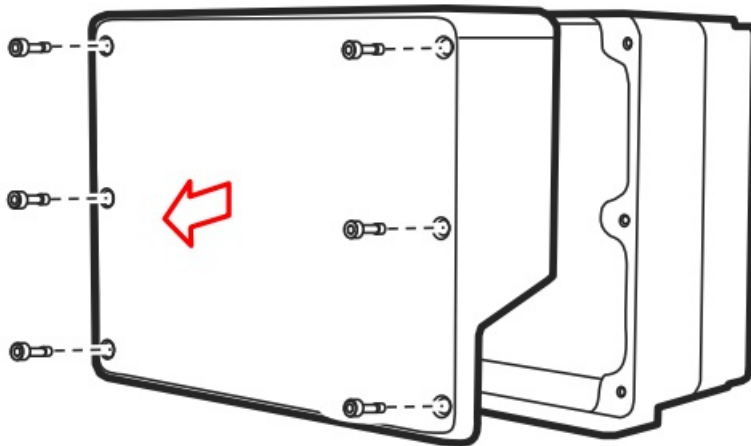
2. Turn off AC to the inverter on the main service panel.



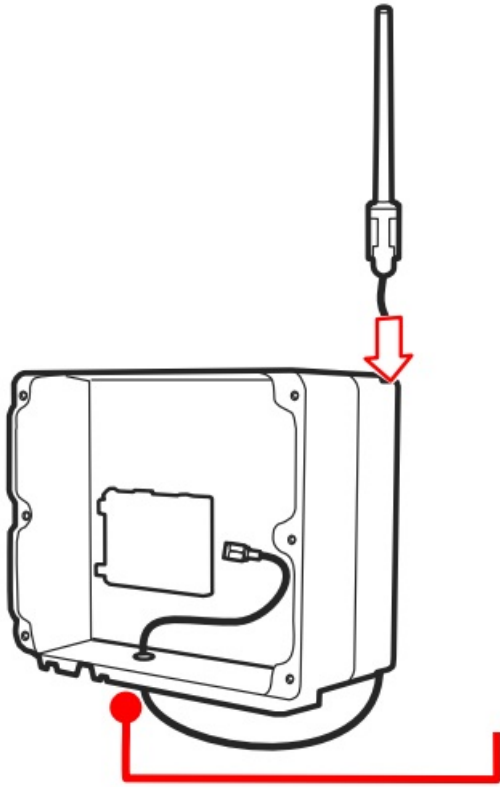
3. Wait five minutes.



4. Open the inverter cover and Connection Unit cover (if applicable).

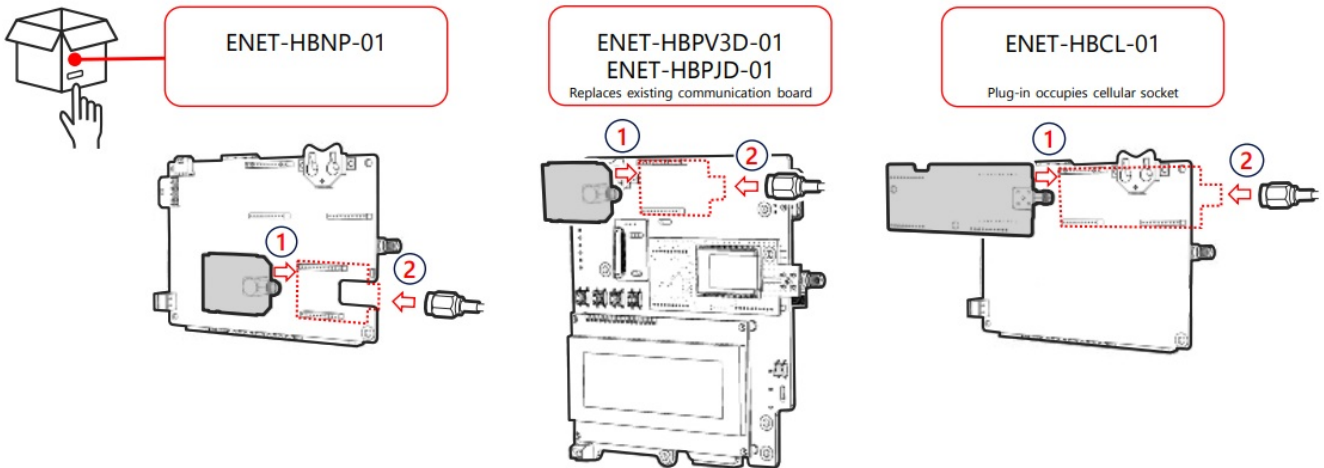


5. Clip the antenna (supplied) to a heatsink fin.
6. Pass the antenna cable through a communication gland.

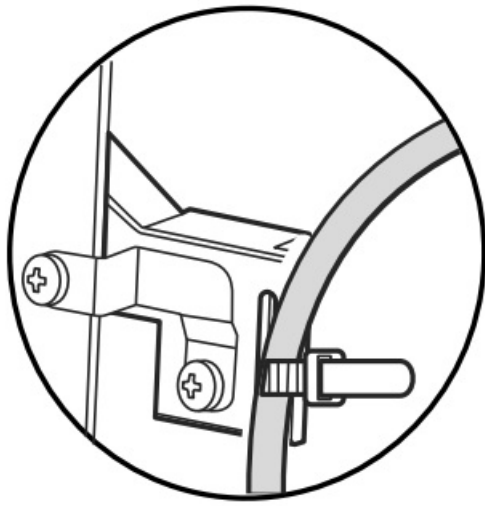


### Install and Connect the Plug-in (may require communication board replacement)

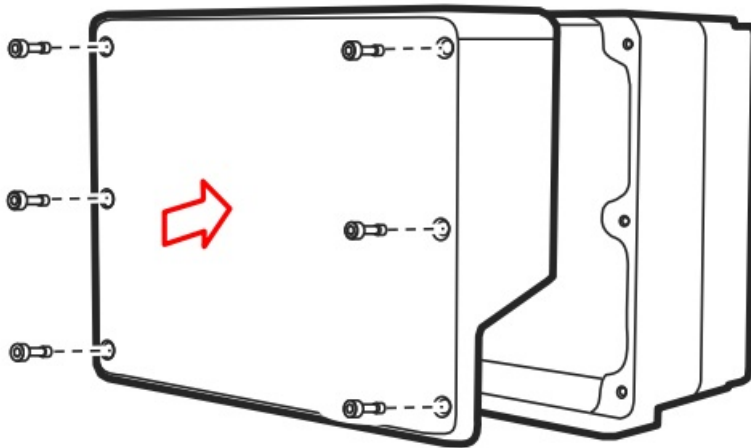
1. Connect the SolarEdge Home Network plug-in to the dedicated socket on the communication board.
2. Connect the antenna to the SolarEdge Home Network plug-in



3. Tie the antenna cable to the communication board bracket with a plastic tie (supplied).

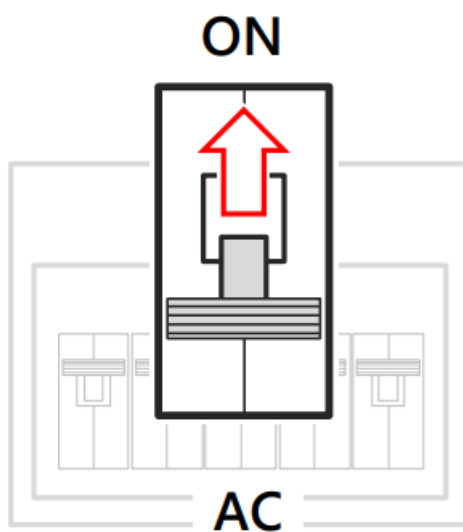


4. Mount the inverter cover and Connection Unit cover (if applicable). Tighten the screws to 8.4 N·m/74 lb·in.

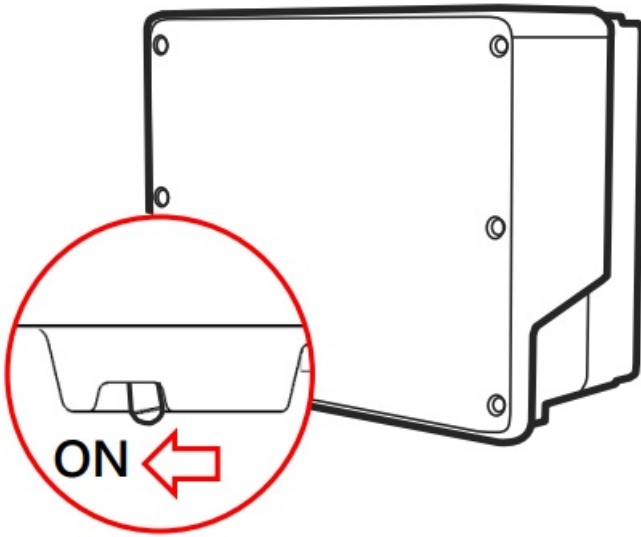


### Verify Connection

1. Turn on AC to the inverter on the main service panel.



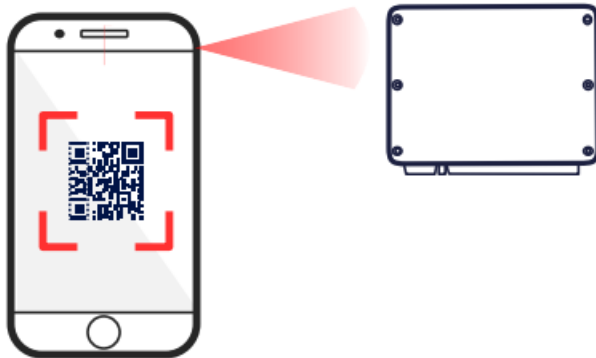
2. Turn on the inverter ON/OFF/P switch and DC safety switch (if applicable).



3. Run Set App



4. Scan the QR code on the inverter.



5. Verify connection.



## Datasheet

To view the SolarEdge Home Network technical specifications, scan the QR code:



Or follow the link:

<https://www.solaredge.com/sites/default/files/se-energy-net-plug-in-datasheet.pdf>

## Plug-in Selection Guide

To view the SolarEdge Home Network Plug-in Selection technical note, scan the QR code:



Or follow the link:

<https://www.solaredge.com/sites/default/files/se-energynet-plugin-kit-selection-technote.pdf>

## Regulatory Statements

### Professional Installation Instructions

### Installation Personnel

This product is designed for a specific application, and needs to be installed by qualified personnel. The user should not attempt to install the product or change any of the product settings.

## **External Antenna**

Use only the antennas, which have been approved by the applicant. Unapproved antenna(s) may produce unwanted spurious or excessive RF transmitting power, which may lead to violation of FCC/IC limits and is prohibited.

## **Federal Communication Commission Interference 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.

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 of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into 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 Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## **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 of 20cm between the radiator & your body. This module is intended for OEM integrators only. Per FCC KDB 996369 D03 OEM Manual v01 guidance, the following conditions must be strictly followed when using this certified module:

- This module has been tested for compliance to FCC Part 15.
- The module is tested for standalone mobile RF exposure use condition

Any other usage conditions such as co-location with other transmitter(s) or being used in a portable condition will need a separate reassessment through a class II permissive change application or new certification.

## **RF Exposure Considerations**

This equipment complies with the FCC mobile radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. If the module is installed in a portable host, a separate SAR evaluation is required to confirm compliance with relevant FCC portable RF exposure rules.

## **Antennas**

The following antennas have been certified for use with this module; antennas of the same type with equal or



lower gain may also be used with this module. The antenna must be installed such that 20 cm can be maintained between the antenna and users. Approved antenna(s) list:

Manufacturer	Model	Antenna Type	Max Gain (dBi)	Impedance ( $\Omega$ )
RALTRON	RST-TUA3-TUB7-320020-17M-A-002	Dipole	3dBi	50ohm
RALTRON	RST-TUA3-TUB7-19550200-17M-A-001	Dipole	3dBi	50ohm
SolarEdge	AS4034-1	Dipole	0dBi	50ohm
SolarEdge	AS4035-1	Coil	0dBi	50ohm

### Label and Compliance Information

The final end product must be labeled in a visible area with the following: “Contains FCC ID: 2AGPT-ENET”. The grantee’s FCC ID can be used only when all FCC compliance requirements are met.

### Information on Test Modes and Additional Testing Requirements

This transmitter is tested in a standalone mobile RF exposure condition and any co-located or simultaneous transmission with other transmitter(s) or portable use will require a separate class II permissive change re-evaluation or new certification.

### Additional Testing, Part 15 Subpart B Disclaimer

This transmitter module is tested as a subsystem and its certification does not cover the FCC Part 15, Subpart B (unintentional radiator) rule requirement applicable to the final host. The final host will still need to be reassessed for compliance to this portion of rule requirements if applicable.

As long as all conditions above are met, no further transmitter test will be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.

**IMPORTANT NOTE:** In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

### Manual Information to the End User

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user’s manual of the end product which integrates this module.

The end user manual shall include all required regulatory information/warning as show in this manual.

### OEM/Host Manufacturer Responsibilities

OEM/Host manufacturers are ultimately responsible for the compliance of the Host and Module. The final product must be reassessed against all the essential requirements of the FCC rule such as FCC Part 15 Subpart B before it can be placed on the US market. This includes reassessing the transmitter module for compliance with the Radio and EMF essential requirements of the FCC rules. This module must not be incorporated into any other device or system without retesting for compliance as multi-radio and combined equipment.

## **Industry Canada Statement**

This device complies with ISED's licence-exempt RSSs. 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.

## **Radiation Exposure Statement:**

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

This device is intended only for OEM integrators under the following conditions (for module device use):

1. The antenna must be installed and operated with a minimum distance of 20cm between the antenna and users, and
2. The transmitter module may not be co-located with any other transmitter or antenna.

As long as 2 conditions above are met, no further transmitter test will be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.

## **IMPORTANT NOTE:**

In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the Canada authorization is no longer considered valid and the IC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate Canada authorization.

## **End Product Labeling**

This transmitter module is authorized only for use in device where the antenna may be installed and operated with a minimum distance of 20cm between the antenna and users. The final end product must be labeled in a visible area with the following: "Contains IC: 20916-ENET".

## **Manual Information to the End User**

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module. The end user manual shall include all required regulatory information/warning as show in this manual.

## **Detachable Antenna Usage**

This radio transmitter [IC: 20916-ENET] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

## **EU**

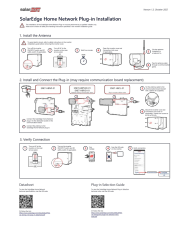
Hereby, SolarEdge declares that the radio equipment type ENET is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at:



The frequency and maximum transmitted power in EU are listed below: 863–876 MHz: 17.00 dBm



## Documents / Resources

	<p><b><a href="#">solaredge ENET-HBNP-01 Plug In Home Network</a></b> [pdf] Installation Guide ENET-HBNP-01, ENET-HBPV3D-01, ENET-HBPJD-01, ENET-HBCL-01, ENET-HBNP-01 Plug In Home Network, Plug In Home Network, Home Network, Network</p>
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## References

- [User Manual](#)