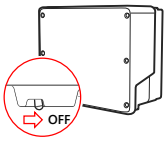
SolarEdge Home Network Plug-in Installation

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.

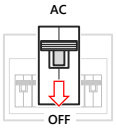
1. Install the Antenna

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).

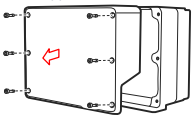


2. Turn off AC to the inverter on the main service panel.



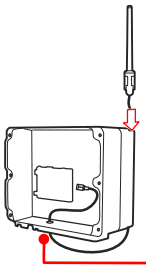
3. Wait five minutes.

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

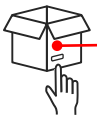


5. Clip the antenna (supplied) to a heatsink fin.

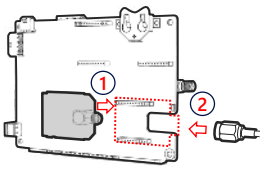
6. Pass the antenna cable through a communication gland.



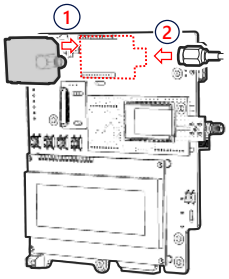
2. Install and Connect the Plug-in (may require communication board replacement)



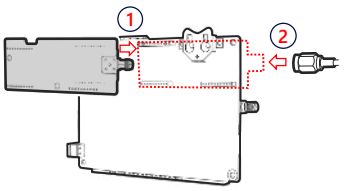
ENET-HBNP-01



ENET-HBPV3D-01
ENET-HBPJD-01
Replaces existing communication board

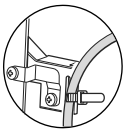


ENET-HBCL-01
Plug-in occupies cellular socket

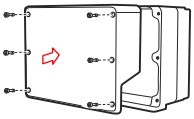


1. Connect the SolarEdge Home Network plug-in to the dedicated socket on the communication board.
2. Connect the antenna to the SolarEdge Home Network plug-in.

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

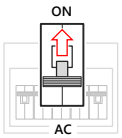


4. Mount the inverter cover and Connection Unit cover (if applicable). Tighten the screws to 8.4 N·m/74 lb·in.

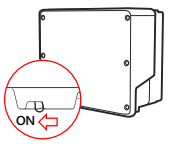


3. Verify Connection

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

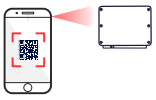


2. Turn on the inverter ON/OFF/P switch and DC safety switch (if applicable).



3. Run SetApp

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-tech-note.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 (Ω)
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.

Le présent appareil est conforme aux CNR d' ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

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.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 20 cm entre le radiateur et votre corps.

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.

Cet appareil est conçu uniquement pour les intégrateurs OEM dans les conditions suivantes: (Pour utilisation de dispositif module)
1) L'antenne doit être installé et exploité avec plus de 20 cm entre l'antenne et les utilisateurs, et
2) Le module émetteur peut ne pas être coïmplanté avec un autre émetteur ou antenne.
Tant que les 2 conditions ci-dessus sont remplies, des essais supplémentaires sur l'émetteur ne seront pas nécessaires. Toutefois, l'intégrateur OEM est toujours responsable des essais sur son produit final pour toutes exigences de conformité supplémentaires requis pour ce module installé.

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.
NOTE IMPORTANTE:
Dans le cas où ces conditions ne peuvent être satisfaites (par exemple pour certaines configurations d'ordinateur portable ou de certaines co-localisation avec un autre émetteur), l'autorisation du Canada n'est plus considéré comme valide et l'ID IC ne peut pas être utilisé sur le produit final. Dans ces circonstances, l'intégrateur OEM sera chargé de réévaluer le produit final (y compris l'émetteur) et l'obtention d'une autorisation distincte au Canada.

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 ".

Plaque signalétique du produit final
Ce module émetteur est autorisé uniquement pour une utilisation dans un appareil où l'antenne peut être installée et utilisée à plus de 20 cm entre l'antenne et les utilisateurs. Le produit final doit être étiqueté dans un endroit visible avec l'inscription suivante: "Contient des 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.

Manuel d'information à l'utilisateur final

L'intégrateur OEM doit être conscient de ne pas fournir des informations à l'utilisateur final quant à la façon d'installer ou de supprimer ce module RF dans le manuel de l'utilisateur du produit final qui intègre ce module.
Le manuel de l'utilisateur final doit inclure toutes les informations réglementaires requises et avertissements comme indiqué dans ce manuel.

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.

Le présent émetteur radio [IC: 20916-ENET] a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'émetteur.
Approved antenna(s) list:

Manufacturer	Model	Antenna Type	Max Gain (dBi)	Impedance (Ω)
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

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:
https://www.solaredge.com/sites/default/files/se-single-phase-inverter-certificate-ce-conformity.pdf

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

NCC-1 Warning Statements

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

NCC-2 Warning Statements

模組認證：

1. **本模組於取得認證後將依規定於模組本體標示審驗合格標籤。**
2. **系統廠商應於平台上標示「本**產品內含射頻模組：XXXyyyLPDzzzz-x**」字樣。**

VCCI Statement

この装置は，クラスB情報技術装置です。この装置は，家庭環境で使用することを目的としていますが，この装置がラジオやテレビジョン受信機に近接して使用されると，受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。 VCCI－B