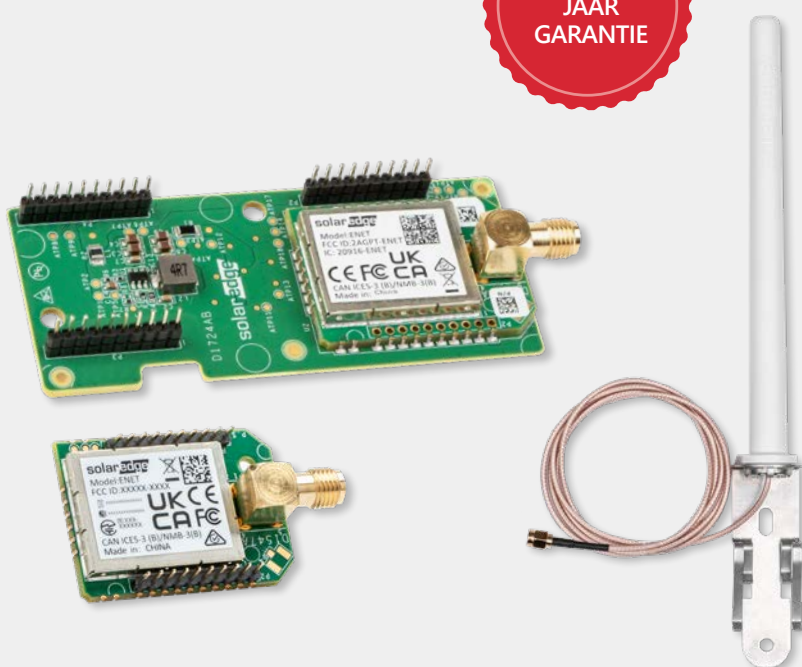


SolarEdge Home Network

Draadloos Mesh Network

Model: ENET

5
JAAR
GARANTIE



COMMUNICATIE

Een communicatie platform voor draadloze verbindingen van apparaten binnen het SolarEdge Smart Energy-ecosysteem.

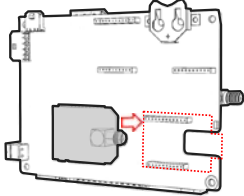
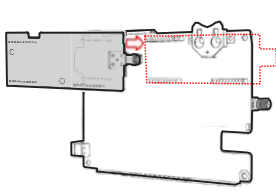
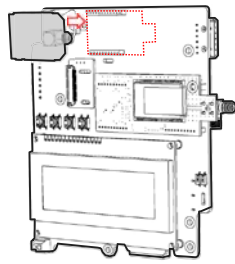
- Snelle, gemakkelijker en schonere installaties*
 - Vermijdt het gedoe van een bekabelde infrastructuur dankzij draadloze connectiviteit tussen omvormers en systeemapparaten
 - Eenvoudige 'plug-and-play' installatie
 - Automatische apparaatdetectie en configuratie met behulp van de SetApp
- In de praktijk bewezen draadloze technologie
 - Mesh Network-topologie die lange-afstandstransmissies mogelijk maakt
 - Robuuste prestaties in uitdagende omgevingen
- Connectiviteit waar op gerekend kan worden
 - Betrouwbare communicatie zonder single point of failure (voor systemen met meer dan één apparaat)
 - Beveiligde verbinding met geavanceerde apparaat authenticatie en gegevensencryptie
- Externe antenne voor maximale dekking

*In vergelijking met SolarEdge installaties die gebruik maken van bekabelde communicatie

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/ SolarEdge Home Netwerk

ARTIKELNUMMER		ENET-xBNP-01	ENET-xBCL-01	ENET-xBRP-01	EENHEID
PRESTATIE					
Zendvermogen (Max)			17 ⁽¹⁾		dBm
Gevoeligheid ontvangst			-100		dBm
EIRP met antenne			17 ⁽¹⁾		dBm
Binnenbereik (buiten het gezichtsveld)			50		m
Frequentieband			HB 863-876, 902-930 LB 310-358, 426-445		MHz
OMGEVING					
Gebruikstemperatuur			-40 tot +85		°C
Opslagtemperatuur			-40 tot +85		°C
MECHANISCH					
Afmetingen		25 x 35	33 x 76	25 x 35	mm
STROOMVOORZIENING					
DC-spanning (nominiaal)			3,3		Vdc
Max. ingangsstroom			200		mA
ANTENNE					
Frequentiebanden ⁽²⁾			HB 863 - 930 LB 310 - 445		MHz
Antennetype			Buiten		
Antennestekker			RP-SMA		
VSWR			≤4.0		dBi
Signaalwinst			2		dBi
Polarisatie			Verticaal		
Materiaal			PC Lexan 503R-WH5151L of WH8G952 Sabic		
Afmetingen (lengte x diameter)			200 x 20		mm
REGELGEVING					
VS	EMC / EMI and Radio		FCC Part 15B, FCC Part 15C		
Canada	EMC / EMI		ICES-003		
	Radio		RSS-247 voor SRD, RSS-102 MPE-rapport		m
Europa	EMC / EMI		CISPR 32, EN 55032, EN 55035, EN 301 489-1, EN 301 489		
	Radio		EN 62311 (EMF-test), EN 300-220-1, EN 300-220-2		
Australië	EMC / EMI		CISPR 32 AS/NZS CISPR 32, AS/NZS 4268		m
	Radio		AS/NZS 4268		
Japan	EMC / EMI		VCCI-CISPR 32		°C
	Radio		ARIB STD-T93, JAPAN EXTREMELY LOW POWER		
Korea	EMC / EMI and Radio		Korea RF (KN 32/35)		
Taiwan	EMC / EMI and Radio		NCC LP0002		%
Compatibiliteit		Home Network-ready omvormer met het volgende artikelnummerformaat: SE...-...BExx SE...-...BZxx SE...-...BXxx SE...-...BLxx Bijvoorbeeld: SE7K-AUBTEBEU4	SetApp-compatibele omvormer Opmerking: wordt aangesloten op een GSM module aansluiting. Mobiele plug-in of ZigBee plug-in kunnen niet parallel worden geïnstalleerd	SetApp-compatibele LCD-omvormer vereist een vervangend communicatiebord met LCD scherm	
					

(1) Transmissievermogen / EIRP kan hoger zijn afhankelijk van de standaardvereisten van elk land

(2) Externe antenne wordt meegeleverd met de Home Network Plug-In kit

SolarEdge Home Network Plug-in Kit Selection — Technical Note

Revision history

- Version 1.2, July 2024: Updated the SolarEdge Home Network Plug-in Kit Selection for Three Phase Inverter with SetApp and StorEdge Three Phase Inverter. Added to the Inverters and Compatible Home Network Plug-in Kits table a SolarEdge Home Short String Inverter and Appendix A.
- Version 1.1, April 2022: Various updates
- Version 1.0, February 2022: Initial release

Compatible Home Network Plug-in kit

The table below lists the SolarEdge Home Network Plug-in kits that are compatible with specific models of inverters.

 **NOTE**
The ENET kit does not support commercial products

 **NOTE**
To install the Home Network Plug-in kit, see the included [Installation Guide](#).

The following table displays Inverters and Compatible Home Network Plug-in Kits:

Inverter	Inverter Part Number	Inverter Cellular Socket Occupied?	SolarEdge Home Network Plug-In Kit Part Number
SolarEdge Home Wave Inverter with SetApp (SolarEdge Home Network ready)	SExxxxH-RWxxxBE xx	Not applicable	ENET-HBNP-01 SolarEdge Home Network Plug-in
SolarEdge Home Wave Inverter with SetApp (<i>Not</i> SolarEdge Home Network ready)	SExxxxH-RW0 xx BN xx	No	ENET-HBCL-01 SolarEdge Home Network Plug-in
		Yes	ENET-HBPV3-01 Kit containing SolarEdge Home Network-ready comm. board* and matching SolarEdge Home Network Plug-in

Inverter	Inverter Part Number	Inverter Cellular Socket Occupied?	SolarEdge Home Network Plug-In Kit Part Number
StorEdge Single Phase Inverter (<i>Not</i> SolarEdge Home Network ready)	SExxxxH-RW <u>S</u> xxB <u>N</u> xx	No	ENET-HBCL-01 SolarEdge Home Network Plug-in
		Yes	ENET-HBPV3S-01 Kit containing SolarEdge Home Network-ready comm. board* and matching SolarEdge Home Network Plug-in
SolarEdge Home Wave Inverter with LCD (<i>Not</i> SolarEdge Home Network ready)	SExxxxH-RWxxx <u>N</u> xxx	Not applicable	ENET-HBPV3D-01 Kit containing SolarEdge Home Network-ready comm. board* with LCD and matching SolarEdge Home Network Plug-in
Single Phase Inverter with Compact Technology (<i>Not</i> SolarEdge Home Network ready)	SExx00M-RWK02BNN4	No	ENET-HBCL-01 SolarEdge Home Network Plug-in
		Yes	ENET-HBPVL-01 Kit containing SolarEdge Home Network-ready comm. board* and matching SolarEdge Home Network Plug-in
Three Phase Inverter with SetApp (SolarEdge Home Network ready)	SExxK-RW0xxBExx	Not applicable	ENET-HBNP-01 SolarEdge Home Network Plug-in
StorEdge Three Phase Inverter (SolarEdge Home Network ready)	SExxK-RWSxxBExx	Not applicable	ENET-HBNP-01 SolarEdge Home Network Plug-in
Three Phase Inverter with SetApp (<i>Not</i> SolarEdge Home Network ready)	SExxK-RW0xxBNxx	No	ENET-HBCL-01 SolarEdge Home Network Plug-in
		Yes	ENET-HBPJ2P-01 Kit containing SolarEdge Home Network-ready comm.

Inverter	Inverter Part Number	Inverter Cellular Socket Occupied?	SolarEdge Home Network Plug-In Kit Part Number
			Board and matching SolarEdge Home Network Plug-in
StorEdge Three Phase Inverter (<i>Not</i> SolarEdge Home Network ready)	SExxK-RWSxxBNxx	No	ENET-HBCL-01
		Yes	ENET-HBPJ25-01 Kit containing SolarEdge Home Network-ready comm. board* and matching SolarEdge Home Network Plug-in
Three Phase Inverter with LCD (<i>Not</i> SolarEdge Home Network ready)	SExxK-RWxxxNxxx	Not applicable	ENET-HBPJD-01 Kit containing SolarEdge Home Network-ready comm. board* with LCD and matching SolarEdge Home Network Plug-in
Three Phase Backup Inverter (SolarEdge Home Network ready)	SExxK-RWB48xxxx	Not applicable	The SolarEdge Home Network Plug-in and Antenna are provided with the inverter. No additional kit is required.
SolarEdge Home Short String Inverter – Three Phase	SExxK-RWBTEBEN4	Not applicable	ENET-HBNP-01 or ENET-HBCL-01 See Appendix A for instructions.

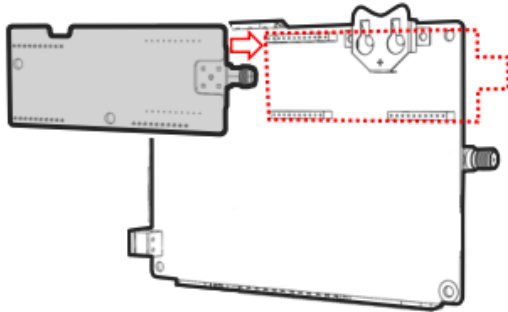
* Replace the existing communication board with a communication board that has a dedicated socket for the SolarEdge Home Network Plug-in.

Appendix A

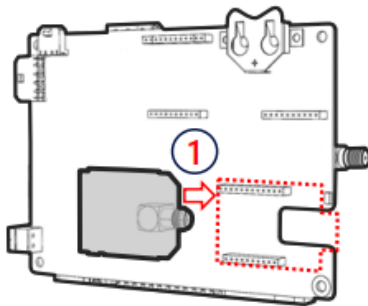
The Network Plug-In Kit shall be selected according to the inverter's communication board.

Please see below for identifying the correct Home Network Plug-in kit:

ENET-HBCL-01 – For communication boards which are not HW ready for Home Network Plug-in:



ENET-HBNP-01 – For communication boards which are HW ready for Home Network Plug-in:



CAUTION



Do not use ENET-HBCL-01 if you have a dedicated slot for the Home Network Plug-in (see figure above) as it can fit, but may damage the product.