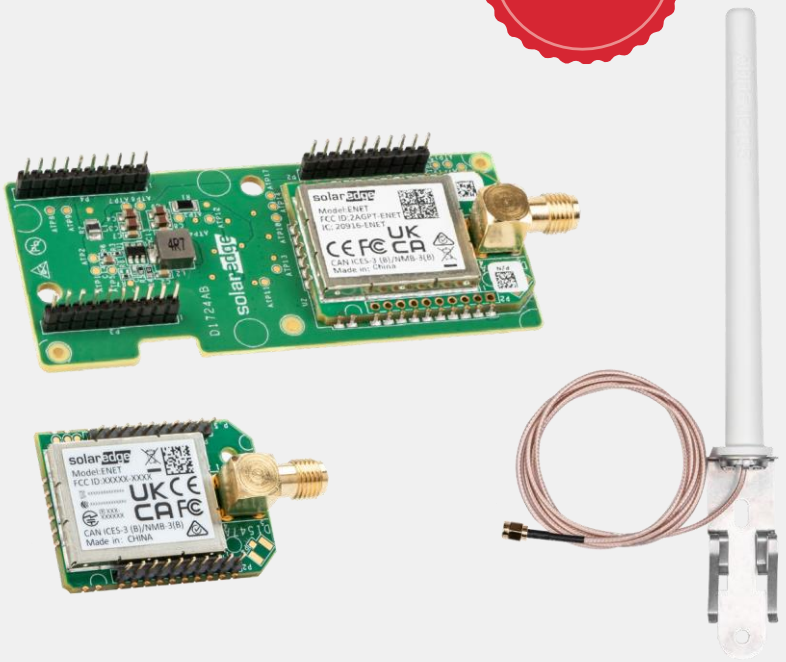
SolarEdge Home Network

Wireless Mesh Network

Model: ENET

COMMUNICATIONS

5 YEAR WARRANTY



One communication platform for seamless device connection within the SolarEdge Smart Energy Management ecosystem

- Faster, easier, and cleaner installations*
  - Avoids the hassle of wired infrastructure with wireless connectivity between inverter and system devices
  - Simple plug and play connection
  - Automatic device detection and configuration using SetApp
- Field-proven wireless technology Mesh network
  - topology enabling long-range transmissions
  - Robust performance in challenging environments
- Connectivity you can count on
  - Reliable communications with no single point of failure (for multiple device systems)
  - Secured telemetry with advanced device authentication and data encryption
- External antenna to ensure maximum coverage

* When compared to SolarEdge installations using wired communications

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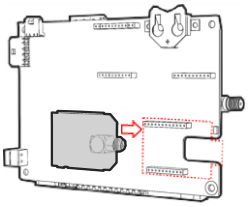
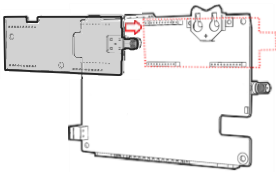
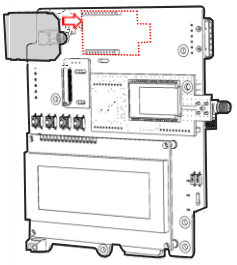
/ SolarEdge Home Network Plug-In

PART NUMBER		ENET-xBNP-01	ENET-xBCL-01	ENET-HBPV3D-01	UNIT
PERFORMANCE					
Transmit Power (Max)		17[1]			dBm
Receiver Sensitivity		-100			dBm
EIRP with Antenna		17[1]			dBm
Indoor Range (none line of sight)		50 / 160			m / ft
Frequency Band		HB 863-876, 902-930 LB 310-358, 426-445			MHz
ENVIRONMENTAL					
Operating Temperature		-40 to 185 / -40 to +85			˚C / ˚F
Storage Temperature		-40 to 185 / -40 to +85			˚C / ˚F
MECHANICAL					
Size		0.98 x 1.37 / 25 x 35	1.29 x 2.99 / 33 x 76	0.98 x 1.37 / 25 x 35	in / mm
POWER SUPPLY					
DC Voltage (nominal)		3.3			Vdc
Max Input Current		200			mA
ANTENNA					
Antenna Bands[2]		HB 863 - 930 LB 310 - 445			MHz
Antenna Type		Outdoor			
Antenna Connector		RP-SMA			
VSWR		≤4.0			dBi
Gain		2			dB
Polarization		Vertical			
Material		PC Lexan 503R-WH5151L or WH8G952 Sabic			
Dimensions (Length x Diameter)		7.87 x 0.78 / 200 x 20			mm / in
COMPLIANCE					
US	EMC / EMI and Radio	FCC Part 15B, FCC Part 15C			
Canada	EMC / EMI	ICES-003			
	Radio	RSS-247 for SRD, RSS-102 MPE report			
Europe	EMC / EMI	CISPR 32, EN 55032, EN 55035, EN 301 489-1, EN 301 489-3			
	Radio	EN 62311 (EMF test), EN 300-220-1, EN 300-220-2			
Australia	EMC / EMI	CISPR 32 AS/NZS CISPR 32, AS/NZS 4268			
	Radio	AS/NZS 4268			
Japan	EMC / EMI	VCCI-CISPR 32			
	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			
Compatibility[3]		SolarEdge Home Network-ready inverter with the following part number format: SE...-...BExx SE...-...BZxx SE...-...BXxx SE...-...BLxx For example: SE7K-AUBTEBEU4 	SetApp-enabled inverter Note: Plugs into the cellular socket. Cellular plug-in or ZigBee plug-in cannot be installed in parallel 	SetApp-enabled LCD inverter requires replacement communication board with LCD 	

(1) Transmission power / EiRP may be higher according to each country's standard requirements
(2) External antenna is provided with the SolarEdge Home Network Plug-In kit
(3) For details about selecting the appropriate SolarEdge Home Network Plug-in kit for your inverter, see the SolarEdge Home Network Plug-in Kit Selection technical note.

CE RoHS