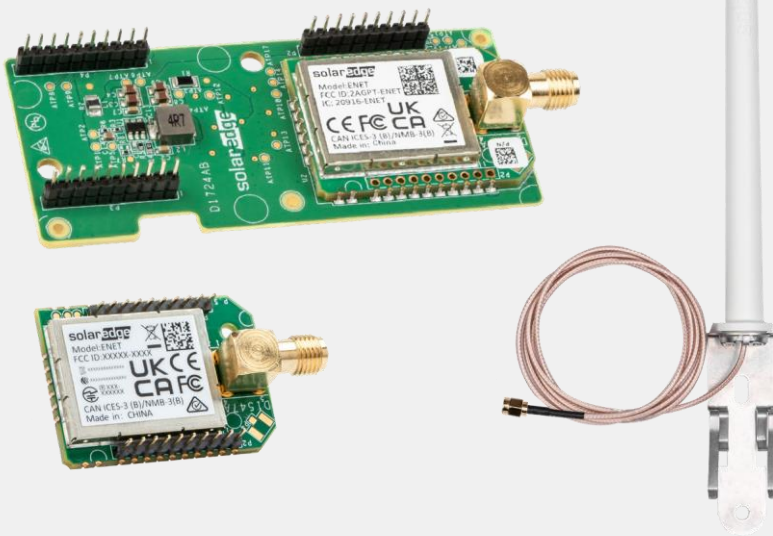


SolarEdge Home Network Wireless Mesh Network

Model: ENET



COMMUNICATIONS

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

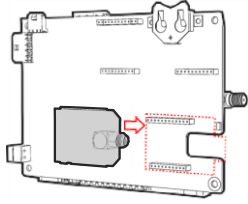
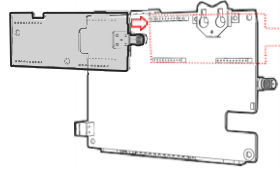
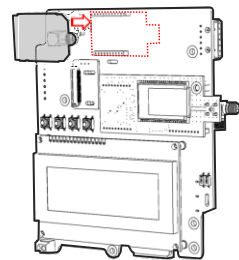
- ✓ Faster, easier, and cleaner installations*
 - ✓ Avoids the hassle of wired infrastructure with wireless connectivity between inverter and system devices
 - ✓ Simple plug and play connection
 - ✓ Automatic device detection and configuration using SetApp
- ✓ Field-proven wireless technology Mesh network
 - ✓ 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⁾		<p>SolarEdge Home Network-ready inverter with the following part number format: SE...-...BExx SE...-...BZxx SE...-...BXxx SE...-...BLxx For example: SE7K-AUBTEBEU4</p> 	<p>SetApp-enabled inverter</p> <p>Note: Plugs into the cellular socket. Cellular plug-in or ZigBee plug-in cannot be installed in parallel</p> 	<p>SetApp-enabled LCD inverter requires replacement communication board with LCD</p> 	

(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](#).