

SolarEdge Energy Net Plug-In Wireless Mesh Network

Model: ENET



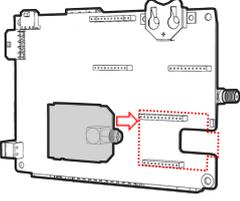
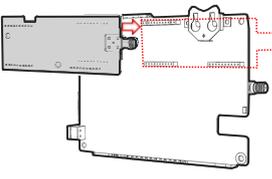
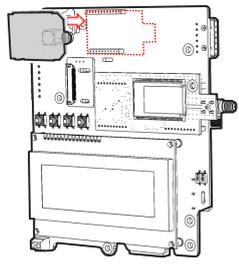
COMMUNICATIONS

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

* When compared to SolarEdge installations using wired communications

SolarEdge Energy Net Plug-In

PART NUMBER	ENET-xBNP-01	ENET-xBCL-01	ENET-xBRP-01	UNIT
PERFORMANCE				
Transmit Power (Max)		17 ⁽¹⁾		dBm
Receiver Sensitivity		-100		dBm
EIRP with Antenna		22 ⁽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		F / °C
Storage Temperature		-40 to 185 / -40 to +85		F / °C
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		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		in / mm
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	ENET-xBNP-01	ENET-xBCL-01	ENET-xBRP-01	
	Energy Net-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 ⁽²⁾ Requires replacement communication board with LCD	
				

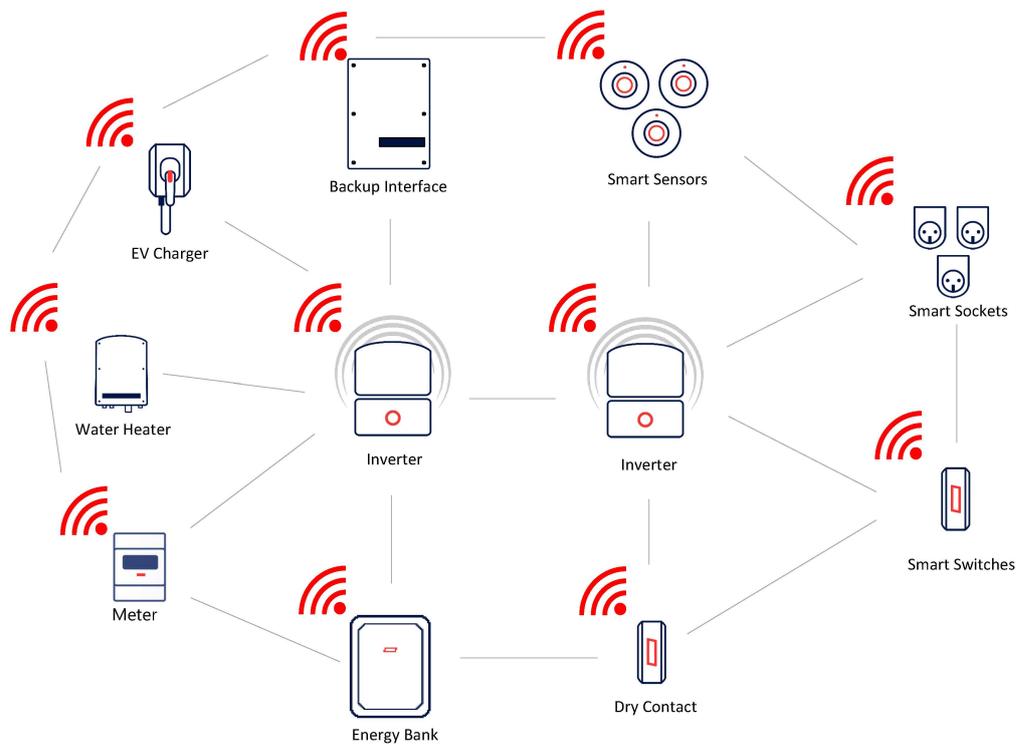
(1) Transmission power / EIRP may be higher according to each country's standard requirements

(2) An Energy Net ready Communication Board with LCD is needed

/ SolarEdge Energy Net Plug-In

Connecting inverters to the following SolarEdge products:

- / SolarEdge Energy Bank
- / Inline Energy Meter
- / Smart Energy Devices⁽³⁾
- / EV Charger⁽³⁾



(3) Smart devices and EV charger support based on future availability

SolarEdge is a global leader in smart energy technology. By leveraging world-class engineering capabilities and with a relentless focus on innovation, SolarEdge creates smart energy solutions that power our lives and drive future progress.

SolarEdge developed an intelligent inverter solution that changed the way power is harvested and managed in photovoltaic (PV) systems. The SolarEdge DC optimized inverter maximizes power generation while lowering the cost of energy produced by the PV system.

Continuing to advance smart energy, SolarEdge addresses a broad range of energy market segments through its PV, storage, EV charging, UPS, and grid services solutions.

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