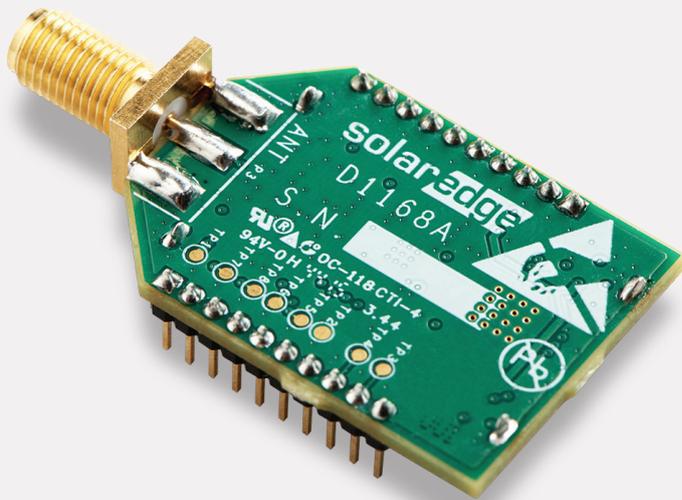


---

# Smart Energy ZigBee Plug-in

SE1000-ZB06-MOD



SMART ENERGY

## Wireless Smart Energy Solution

- / ZigBee module to support Smart Energy functionality
- / Functions as Smart Energy network manager
- / Installed within the inverter enclosure for outdoor resilience
- / Antenna external to inverter for wider range

# / Smart Energy ZigBee Plug-in

SE1000-ZB06-MOD

## COMPATIBLE INVERTERS

SINGLE AND THREE PHASE INVERTERS WITH PART NUMBERS:  
SEXXXX-ER-01-XXX, SEXXXXH-XXXXXXNXXX, SEXXX-XXXXXXNXXX

UNITS

## FUNCTIONAL

Number of devices in a Smart Energy network	Up to 10	
Communications with monitoring portal	Single inverter installation - Ethernet / Cellular <sup>(1)</sup> ; Multiple inverter installation - RS485 and Ethernet / ZigBee / Wi-Fi / Cellular <sup>(1)</sup>	

## RF PERFORMANCE

Transmit power	11.8	dBm
Receiver Sensitivity	-102	dBm
Antenna gain	5	dBi
Operating Frequency Range	2.4 - 2.5	GHz
Bandwidth	2	MHz
Modulation	O-QPSK with DSSS coding	
Outdoor (LOS) Range	400 / 1300	m / ft
Indoor range <sup>(2)</sup>	50 / 160	m / ft

## STANDARD COMPLIANCE

Safety	IEC60950, UL60950	
EMC Approvals	ETSI(Europe), ACMA(Australia), Telec(Japan)	

## INSTALLATION SPECIFICATIONS

Antenna, mounting bracket and RF cable	Included	
Dimensions (H x W x D)	22.0 x 32.9 x 4.1 / 0.9 x 1.3 x 0.2	mm / in
Protection rating	IP65 (IP20 / indoor rated when installed inside Control and Communication Gateway)	

(1) Not to be used with SolarEdge data plan

(2) Approximate values, may differ depending on specific installation conditions

