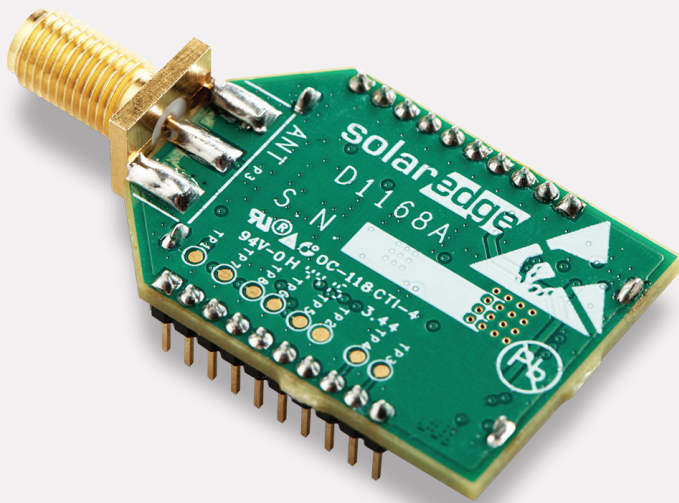


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# Smart Energy ZigBee Plug-in

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
<b>FUNCTIONAL</b>			
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>		
<b>RF PERFORMANCE</b>			
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
<b>STANDARD COMPLIANCE</b>			
Safety	IEC60950, UL60950		
EMC Approvals	ETSI(Europe), ACMA(Australia), Telec(Japan)		
<b>INSTALLATION SPECIFICATIONS</b>			
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

