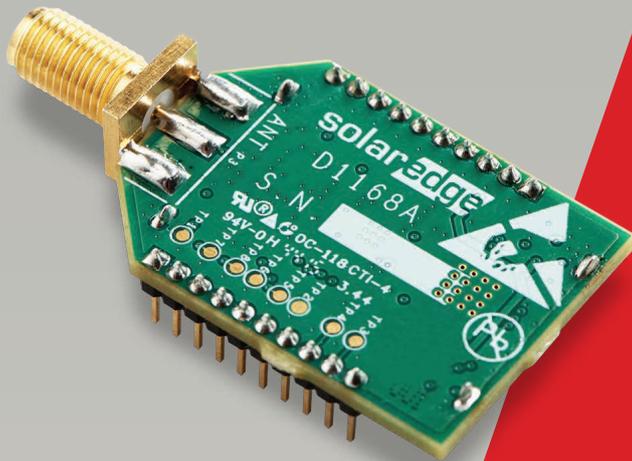




SolarEdge Wireless Communication ZigBee Module for Home Energy Management

SE1000-ZB06-MOD



HOME ENERGY MANAGEMENT

Wireless Home Energy Management Solution

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

FUNCTIONAL		UNIT
Number of devices in a Home Energy Management network	Up to 10	
Communications with monitoring portal	Single inverter installation - Ethernet / GSM*; Multiple inverter installation - RS485 and Ethernet / ZigBee / Wi-Fi / GSM*	
RF PERFORMANCE		
Transmit power	11.8	dBm
Receiver sensitivity	-102	dBm
Antenna gain	5	dBi
Operating frequency range	2.4-2.5	GHz
Outdoor (LOS) range	400 / 1300	m / ft
Indoor range*	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)	

* Not to be used with SolarEdge data plan

** Approximate values, may differ depending on specific installation conditions

