

ZigBee Plug-in for Inverters with SetApp Configuration

SE-ZBSLV-B-S1-RW



COMMUNICATION

Wireless Smart Energy Solution

- ZigBee plug-in supports Smart Energy applications in Inverters with SetApp configuration
- Functions as Smart Energy network manager
- ZigBee Plug-in supports up to 10 Smart Energy devices
- Antenna external to inverter for wider range
- ZigBee Plug-in installed within the inverter enclosure for outdoor resilience

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COMPATIBLE INVERTERS		SEXXXX-XXXXXBXX4 (INVERTERS WITH SETAPP CONFIGURATION)	UNIT
SMART ENERGY NETWORK FUNCTIONALITY			
Number of devices in a Smart Energy network	Up to 10		
Communications wit Monitoring Platform	Single inverter installation - Ethernet / Wi-Fi ⁽¹⁾ ; Multiple inverter installation - RS485 and Ethernet / Wi-Fi ⁽¹⁾		
RF PERFORMANCE			
Transmit Power	11.8		dBm
Receiver Sensitivity	-102		dBm
EIRP with Antenna	16.8		dBm
Maximum Emitted Power	≤20		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 ⁽²⁾	400 / 1300		m / ft
Indoor Range ⁽²⁾	50 / 160		m / ft
MECHANICAL SPECIFICATIONS			
Antenna, Mounting Bracket and RF Cable	Included		
Dimensions (L x W)	78 x 32 / 3 x 1.3		mm / in
Protection Rating	IP65		
CERTIFICATION			
Safety	IEC60950, UL60950		
EMC Approvals	ETSI (Europe), C-Tick (Australia), Telec (Japan)		

(1) Wi-Fi connectivity requires an external antenna. For more information refer to: <https://www.solaredge.com/sites/default/files/se-wifi-zigbee-antenna-datasheet.pdf>

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

