

Wi-Fi / ZigBee Antenna and Cable Installation

Revision History

- Revision 1.1, February 2018 - changed antenna
- Revision 1.2, June 2018 -in 'Clipping the Antenna to the Inverter' procedure added steps for switching the inverter off and on

Introduction

The Wi-Fi/ZigBee antenna-mounting clip and cable are attached to the inverter or connected to a vertical surface with a bracket (not supplied by SolarEdge).

This document describes how to:

- clip the antenna onto the inverter and route the cable. Perform this procedure when the inverter is already mounted on the wall.
- connect the antenna to a vertical surface with a bracket (not supplied by SolaEdge).

Clipping the Antenna to the Inverter

1. After installing the inverter on the wall, unpack the antenna clip and release the cable binding (three parts are connected).
2. Turn OFF the:
 - inverter ON/OFF switch
 - inverter Safety Switch (if applicable)
 - AC breaker connected to the inverter
3. Verify that AC to the inverter is OFF, or disconnect the AC to the inverter by turning OFF the circuit breakers on the distribution panel. Wait 5 minutes for the capacitors to discharge.



Figure 1: Antenna, clip and cable

4. Insert the clip from the bottom of the inverter between the bracket and the inverter's rear side.
5. Route the antenna cable upwards along the fins of the inverter side, by threading the clip and RF cable from the bottom of the inverter between the bracket and the inverter's rear side.

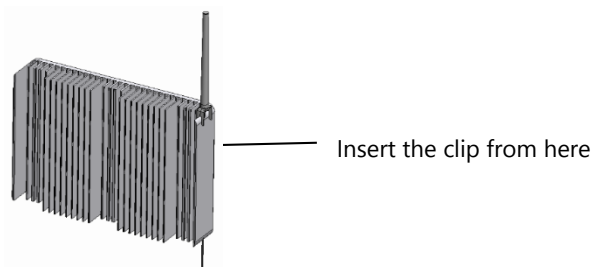


Figure 2: Inverter side and heatsink

6. Attach the clip vertically to the top of the inverter. You may attach the clip to the heat sink fins or the inverter side.
7. Turn on the
 - inverter ON/OFF switch
 - inverter Safety Switch (if applicable)
 - AC breaker connected to the inverter

Connecting the Antenna to a Vertical Surface using a Bracket

1. For connecting the antenna to a vertical surface (i.e. a wall), we recommend using a bracket with the following dimensions (not supplied by SolarEdge):

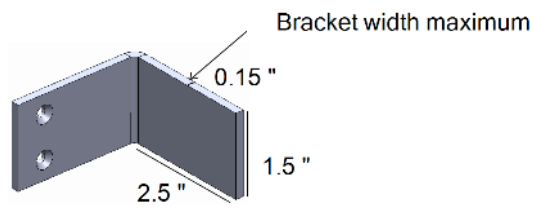


Figure 3: Bracket

2. Drill two holes in the surface and attach the bracket to it with two screws.
3. Clip the antenna onto the bracket as shown in figure 3. The antenna must be vertical.

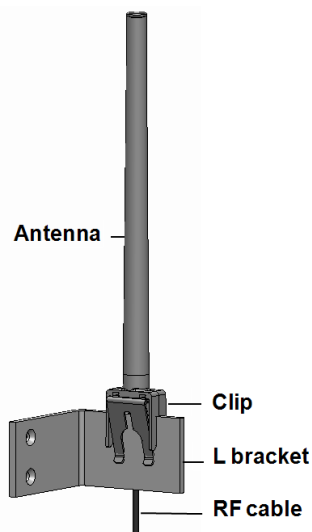


Figure 4: Antenna clipped to bracket