

INSTRUCTION SHEET

PCLTE2 LTE Kit Installation

Kit Contents


Quantity	Description
1	GL7611 LTE Modem
1	LTE Antenna
1	USB Cable
2	Dual Lock Fasteners

Tools Required

- Needle Nose / Combination Nose Pliers
- Flat Head Screwdriver

(Kit is only suitable for use with XVT series inverters)


Instructions



⚠ DANGER

Electrocution. Never touch terminals when inverter and PWRcell DC disconnects are ON. Doing so will result in death or serious injury.

(D000686)



⚠ DANGER


Electrocution. Do not wear jewelry while working on this equipment. Doing so will result in death or serious injury.

(D000188)

⚠ DANGER

Automatic start-up. Disconnect utility power and render unit inoperable before working on unit. Failure to do so will result in death or serious injury.

(D000191)



⚠ WARNING

Electrocution. Potentially lethal voltages are generated by this equipment. Render the equipment safe before attempting repairs or maintenance. Failure to do so could result in death or serious injury.

(W000187)

NOTE: Competent, qualified personnel should install, operate, and service this equipment. Strictly comply to local, state, and national electrical and building codes. When using this equipment, comply with regulations established by the National Electrical Code (NEC), CSA Standard; the Occupational Safety and Health Administration (OSHA), or the local agency for workplace health and safety.

1. Initiate inverter shutdown by pressing the red shutdown button on the inverter front control panel.
2. Allow DC voltage to drop below 10 VDC.
3. Open all PWRcell® DC disconnects and verify DC voltage reported on LCD has dropped to below 10 VDC.
4. Disconnect AC Grid source to inverter and wait for Inverter LCD to turn off.
5. Verify all sources of AC and DC Power are disconnected.
6. Open inverter front cover to horizontal and push inward to lock in the open position.
7. Cover the top of the DC breaker assembly to prevent debris from entering. Proceed to remove the knockout for the antenna, located on the upper left-hand side wall of the inverter enclosure.
8. See [Figure 1](#). Insert LTE antenna (image A) and secure with included washer and nut (image B). Check antenna gasket is evenly seated and nut is sufficiently tightened to create a watertight seal.

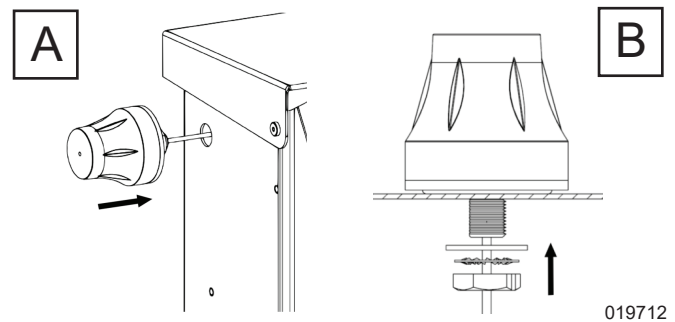


Figure 1. Securing With Washer and Nut

9. See [Figure 2](#). If inverter does not include a mounting bracket:

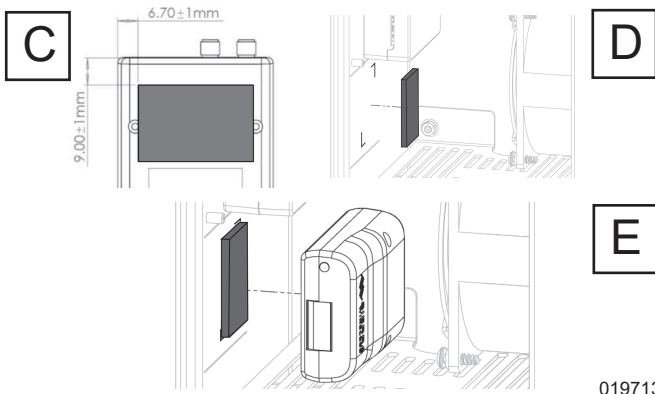


Figure 2. Install with Dual Lock Fastener

- a. Apply one Dual Lock fastener to the back of LTE modem (on the gray area shown in image C).
- b. Apply second Dual Lock to alignment marks on inverter left side wall (D).
- c. Follow wiring diagram on the backside of this sheet to complete modem installation.
- d. Align modem with the top and bottom alignment lines, press the modem until Dual Locks are fully engaged (E).

10. See [Figure 3](#). If inverter includes a mounting bracket:

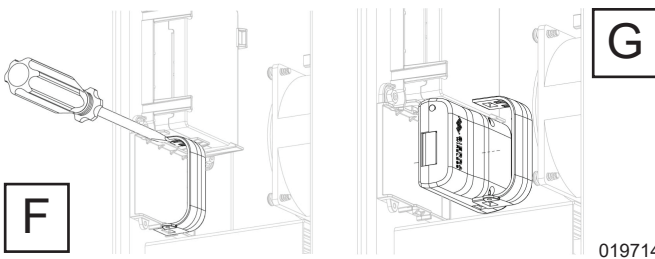


Figure 3. Install with Mounting Bracket

- a. Separate bracket arm by prying top clip with a flat head screwdriver (F).
 - b. Follow wiring diagram to complete modem wiring.
 - c. Place modem onto bracket base and secure with bracket arm (G), make sure both top and bottom clips are latched.
11. Close front cover and power on inverter.
 12. Follow install verification steps to confirm everything is in working order.

Wiring Diagram

1. See [Figure 4](#). Plug the included USB cable into GL7611 modem's USB micro-B port (D), then plug the other end into Beacon's USB type-A port (A).

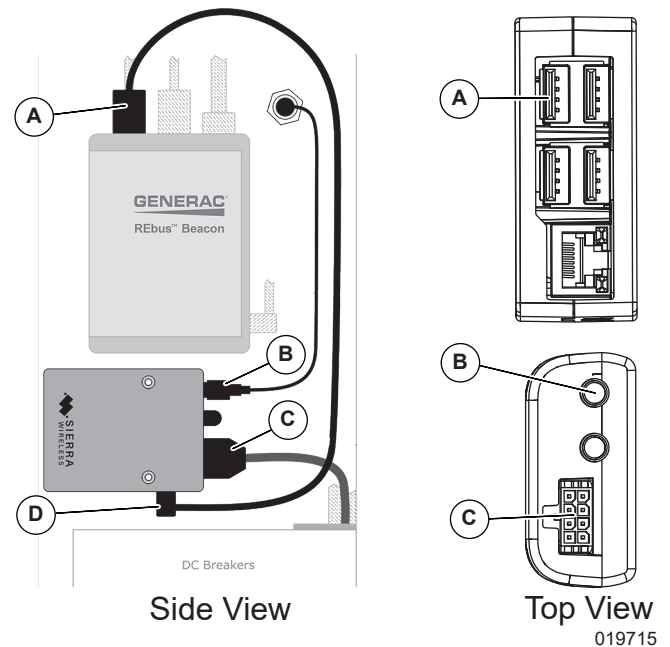


Figure 4. Wiring Diagram

2. Insert and tighten the SMA connector from LTE antenna assembly into GL7611 modem SMA port (B).

NOTE: The side SMA port should be used: the protective cap on the center SMA port should be left on connector.

3. Locate free hanging 8-pin connector cable from above the DC disconnects. Insert connector into GL7611 modem (C).

Install Verification

NOTE: If inverter is connected to the internet with an Ethernet cable, remove cable and power cycle REBus™ beacon before next step.

- Verify internet light on inverter cover is illuminated solid blue. This will indicate an internet connection has been established through LTE modem.
- If cover light is not solid blue, follow [Internet Connectivity Troubleshooting](#) steps below.

Internet Connectivity Troubleshooting

1. Open the door and verify SIM card is present and properly installed in LTE modem.
2. Check wiring between LTE modem and inverter.
3. Check antenna connection.
4. Power cycle REbus beacon.
 - a. Remove power cable from REbus beacon.
 - b. Wait five seconds.
 - c. Reinstall power cable to beacon.

NOTE: If internet light on inverter still does not turn solid blue, contact Generac PWRcell Technical Support at 1-855-635-5186 for further troubleshooting tips.