

Installation Guide for Solar Power



Step 1 – Gather Materials

Ensure you have all tools, supplies, and components listed below before starting. Missing tools or parts can delay installation.

- Small Flathead screwdriver
- Phillips screwdriver
- Wire strippers
- Zip ties (for cable management)
- 2" pipe clamps (included in kit)
- Conduit for field wiring (recommended for installs)
- Shovel (if trenching is needed, Call 811 before digging)
- Field device(s) & corresponding cable/wiring
- Any additional tools recommended by the field device manufacturer for sensor installations.

Step 2 – Choose a Location

Select a site that meets these criteria:

- Full sun exposure (south-facing preferred)
- Proximity to field device(s) to minimize wiring length
- If installing on a stand-alone pole, use a 10' x 2" conduit pole

Tip: Avoid shaded areas from trees, buildings, or tall equipment to maximize solar performance.

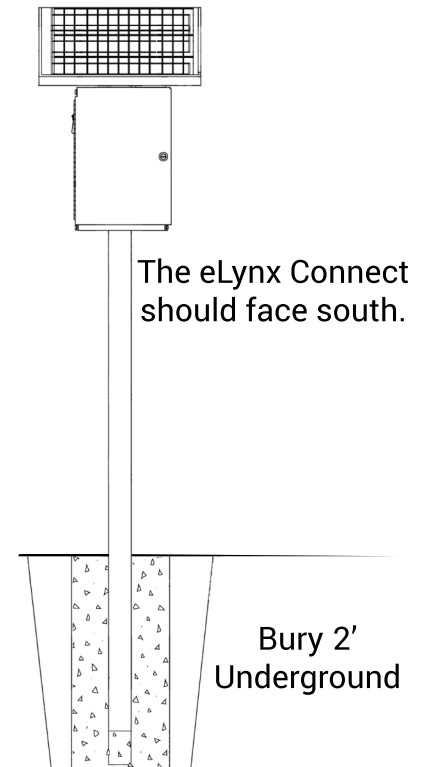


Figure 1: Front Install View

Step 3 – Mount the Enclosure & Solar Panel

1. Mount the enclosure at eye level using the provided pipe clamps.
2. Slide the solar panel into the top bracket on the enclosure (this will be wired later).
3. Confirm cord grips are accessible for routing wiring.

Step 4 – Install Field Device(s)

1. Mount each sensor/device according to the manufacturer's instructions.
2. Route the wiring through conduit to protect it from weather and animals (Optional).
3. Bury conduit where needed to prevent physical damage (Optional).

Step 5 – Determine Signal Type

Identify the signal type for proper wiring:

Signal Type	Example	Terminals
Analog Input (AI)	Pressure, tank level, temperature	A1-A3
Digital Input (DI)	Switch Status, pump ON/OFF	D1-D4
Alarm Cry-Out (DI)	Immediate alert/wake on state change	D1 or D2

If unsure, contact eLynx Support before proceeding at 866-303-5969 or support@elynxtech.com

