

Technical Note: Guardian Outdoor Installations

The Fortress Power Guardian Monitoring System can be installed in outdoor environments **only when the following requirements are met:**

1. **Metal enclosures are not permitted**

The Guardian **must not** be installed inside metal enclosures (including the Fortress Power DuraRack). The system communicates via Wi-Fi, and metal enclosures will block wireless signals.

- Please Note: The Fortress Power eWays HAVE been designed with antennae extenders for guardians and expected to have guardians installed inside.

2. **Use a plastic junction box for weather protection**

Fortress Power **strongly recommends** installing the Guardian inside a **plastic (non-metallic) junction box** to protect it from outdoor elements such as rain, dust, and debris.

3. **AC power is strongly recommended**

The Guardian performs best when **AC powered**. An electrical outlet must be available near the installation site.

- This is **required** when using Fortress Power Heating Elements.
- Please account for this requirement during installation planning and system design.

4. **Wi-Fi signal strength requirements**

If the Guardian is installed outdoors and connected to a home Wi-Fi network, a **Wi-Fi extender is often required**.

- Verify signal strength at the installation location.
- Fortress Power recommends a signal strength of -60 dBm or better for reliable operation.

