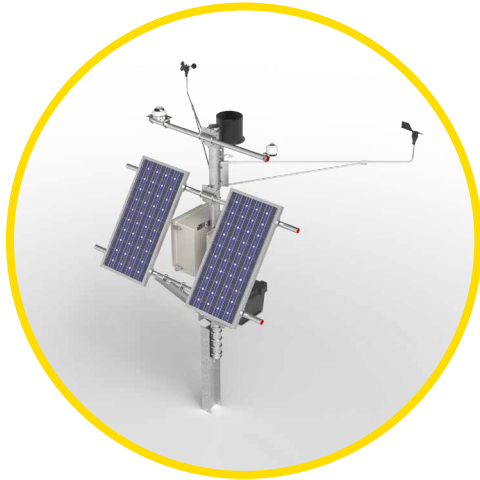


2.2 METER SOLAR TOWER

TECHNICAL PRODUCT SHEET



Tools Required

- Ratchet/socket set
- Wrench Set
- Cordless Drill/Power driver
- Steel Drill bits/Impact bits
- Tape Measure
- Utility Knife
- Torpedo Level
- Permanent Marker

*Contact NRG Systems for other associated tools required for specific tower mount configurations

Overview

Enable your solar resource assessment (SRA) or solar resource monitoring (SRM) projects with reliable, autonomous operation that is quick and easy to deploy. Optimized for pre- and post-construction applications, the 2.2m Solar Tower from NRG Systems is designed to be the ideal mounting platform for a wide variety of assessment and monitoring sensor configurations.

Specifications

Height	2.2m Note: Pile mount configuration enables extended tower height (e.g., 3.0 m) based on pile installation.
Material	Galvanized Steel
Tube Diameter	88.9mm (3.5 in)
Foundation	<ul style="list-style-type: none">• Guyed, with Anchors – Item 9015• Pad Mount – Item 14475
Options	<ul style="list-style-type: none">• Pile Mount– Item 15037
Shipping Weights	<ul style="list-style-type: none">• Guyed, with Anchors – 19.9 kg (43.8 lbs.)• Pad Mount – 31.75 kg (70 lbs.)• Pile Mount– 12.4 kg (27 lbs.)
Compatible With	<ul style="list-style-type: none">• NRG Tubular Booms *• NRG Pyranometer Booms*• Tower battery bracket – Item 15736• SymphoniePRO Shelter Box Assembly (Items 14873, 14887) <p>*Contact NRG Systems for more details</p>

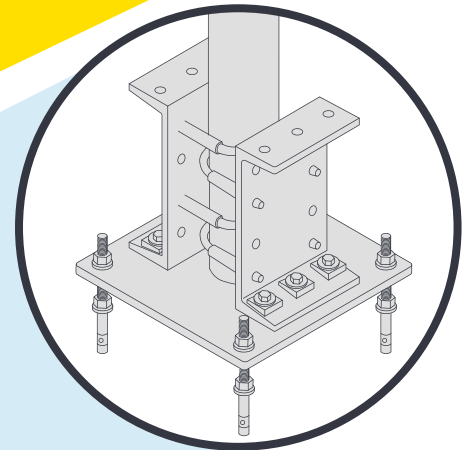
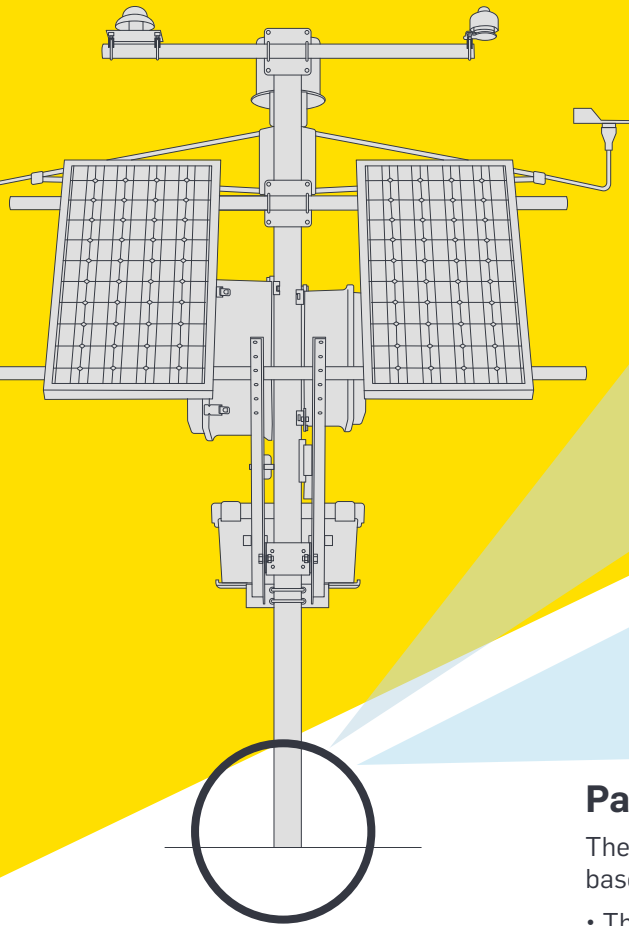
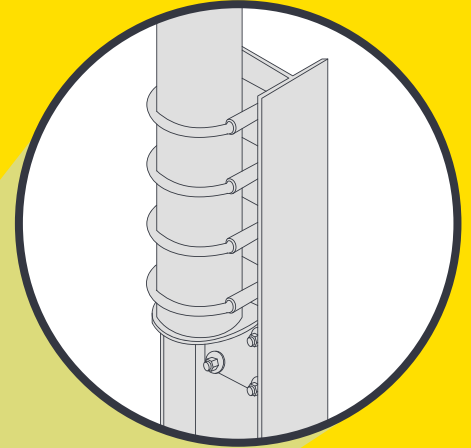


NRGSystems®

Pile Mount

The Pile Mount 2.2 meter tower uses four stainless steel U-bolts and an L-bracket to secure the tower tube to an appropriately spec'ed H, I or C style pile.

- The face width of the pile should be a minimum of 5.4" (13.72 cm)
- The pile must be driven deep enough to support the MET Station's total weight. Loading information will be shared to determine the proper pile specifications.
- The pile is typically installed 24" (60 cm) above grade and will need to be drilled with 12 x 7/16" (11 mm) holes to allow the U-bolts and L-bracket to be secured in place.
- If needed, the tower can be made taller by leaving more of the pile exposed above grade to increase the height of the tower.
- See the Solar Tower Installation | [Pile Mount](#) document for details.



Pad Mount

The Pad Mount tower uses four concrete anchor bolts to secure the tower baseplate to a concrete foundation.

- The foundation should be a minimum of 12" x 12" (30.5 cm x 30.5 cm) square. The final dimensions (length x width x depth) should be determined by an engineer familiar with the local site conditions and regulations. Loading information will be shared to determine the proper pile specifications.
- When the concrete pad has cured, 4 x 0.5" (12.7 mm) holes should be drilled 10" (25.4 cm) from each other, approximately 3" (7.62 cm) deep.
- See the Solar Tower Installation | [Pad Mount](#) document for details.

For more information:

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ISO 9001: 2015 Certified

ISO 14001: 2015 Self-Certified