

Nextracker Mounting Solution:

# First Solar Series 6 Modules

Photo: Swinerton Renewable Energy

As the premier solar tracking company, Nextracker partners with module manufacturers to bring world-class PV mounting systems to our customers. Building on the balanced design of our award-winning NX Horizon™ self-powered tracker, Nextracker offers a mounting solution specifically optimized for First Solar Series 6™ modules. This technology includes unique mounting features for maximum installation speed and reliability.

## Features and Benefits

First Solar Series 6 modules are mounted to NX Horizon using the standard module frame slots. In this system, Nextracker's Series 6 panel rails self-locate into the correct position along the NX Horizon torque tube to support the frames of two adjacent Series 6 modules. The panel rails include pre-assembled clamps, which are used to secure the two adjacent Series 6 modules through the frame slots after the modules are positioned onto the rails. Features and benefits include:

- **Rapid module installation:** Series 6 panel clamps are factory assembled with the panel rail and feature alignment springs, enabling the installer to simply rotate the clamps into position through the frame slots. This solution cuts installation time in half compared to non pre-assembled systems.
- **Error-proof rail alignment:** Module rails self-align and self-position on torque tubes in seconds, ensuring proper rail spacing without fixtures or jigs.
- **Secure mounting and grounding:** The Series 6 bottom-clamp mounting system ensures secure module installation and has been fully qualified by First Solar through comprehensive load testing. Grounding of the module frame to the tracker structure is built into the rail system, without need for additional grounding components.
- **More modules per row:** NX Horizon's balanced design is uniquely suited to large-format modules with dual-glass construction. Longer rows improve tracker economics and simplify DC wiring. String jumpers are not required to span row-balancing bearing housings.
- **Site condition flexibility:** NX Horizon with First Solar Series 6 can be configured to a wide range of site conditions:
  - Wind: Standard and custom solutions available to meet site requirement
  - Site slope: Up to 15% north-south slope
  - Corrosion: Multiple coating options available
  - Flooding: All NX Horizon trackers provide 42 inches of flood clearance standard

