The Value of Terrasmart Ground Screws

Save time. Save costs. Reduce risks.



terrasmart™

Terrasmart's ground screw solutions bring unique reliability in challenging conditions, opening new opportunities for ground-mount PV. Known as one of the first providers of best-in-class ground screw foundations in the U.S., the depth of our engineering and field expertise, coupled with an integrated ground screw and racking portfolio, delivers unique value and LCOE advantages.

Our Secret to Ground Screw Success

Unmatched Experience

- Our team members have industry-leading experience backed by a 15-year track record of successfully installing 2M ground screws across 5800+ projects
- From design, screw, and racking installation, our teams perform all aspects of construction on a project with a track record of delivering on time and within budget

Speed and Accuracy

- You can trust our field installation with a vast fleet of proprietary machines that deliver precision and are 1.5x faster than market alternatives
- Each machine is operated by a seasoned crew that pre-drills every foundation for more predictable project execution

Subsurface Expertise

- Bring on the rough terrain – we've installed in terrains including clay, ledge, rock, silt, sand, glacial till, decomposed granite, volcanic rock, coral, and more
- We know first hand – we've completed 11,000+ pull tests in 40 states and two countries

Quality Product

- Rigorous quality and testing standards applied to our ground screws
- Co-developed screws based on our deep field and engineering experience

The Terrasmart Difference

1	**Value Engineering** With six different sizes and varying thread profiles, we value-engineer the screws to fit the conditions of your site – no matter how extreme
2	**Zero Refusal Risks** We cover 100% of the refusal risk so there are no hidden costs, project setbacks, or schedule risks
3	**Faster & Higher Quality Build** We verify torque capacity during a screw's installation phase, as opposed to ahead of construction, resulting in a more efficient installation process
4	**Superior Product Integration** Our innovative portfolio of fixed racks and single axis trackers are designed to integrate with screw foundations
5	**End-to-End Solution** You get fully wrapped solutions that include system design, manufacturing, surveying, pilot-hole drilling, installation of foundations, racking, and modules

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It would be an understatement to say that we were impressed with Terrasmart’s efficiency on this project. From the initial pre-construction meeting to project close-out, it has been a most pleasant experience. I have never witnessed such an efficient installation in all my years of building solar projects. Everything was completed in a clean, organized, safe, and professional manner.”

— ReVision Energy referencing the build of an extremely rocky solar site in Maine. Terrasmart installed 80% faster than the industry average.



Experience Equals Speed

From design, screw installation, and rack construction, our experienced teams perform all aspects of the project, delivering on time and within budget

Seamless Integration

Our integrated screw and rack solution takes component compatibility issues out of the equation. We own the entire process to limit risks and minimize warranty claims

Strong Partnerships. Results that Last. Better LCOE.

Our integrated material and installation solution means fewer surprises, schedule slips, and change orders – all of which lower overall installation cost. Backed by Gibraltar, an NYSE traded firm with a 50+ year track record and strong balance sheet, we deliver the confidence needed for your system’s 20+ year lifespan.

Get ahead with Terrasmart as your partner with the responsive, expert project dedication that results in faster execution, fewer headaches, and stronger performance.

Talk to our experts