



SolarEdge TerraMax™ 1500V Inverter

Maximize Solar Profitability

Optimize LCOE for Large-Scale Ground Mount Solar

The SolarEdge TerraMax 1500V Inverter with H-Series Power Optimizers delivers more energy at lower upfront costs, helping projects pencil.

Powered by SolarEdge ONE monitoring platform it provides real-time visibility and control across your entire solar asset.

Trusted technology with 6.8 million inverters shipped worldwide.*



Why TerraMax Outperforms Traditional String Inverters



Lower Upfront Capex

- Longer strings — up to 80 modules per string vs 24-27 for traditional inverters
- Over 50% reduction in DC homeruns and associated eBOS — reduce installation and labor costs
- Reduced trenching, grading and conduit costs — fewer homeruns mean less excavation and materials



Increased Energy Production

- Mitigate mismatch losses — from aging, soiling, manufacturing tolerance with Power Optimizers
- Higher energy yields — including on land constrained projects with a lower Ground Coverage Ratio (GCR)
- Mix-and-match PV modules within inverter block — use different module types such as G11, G12, and more



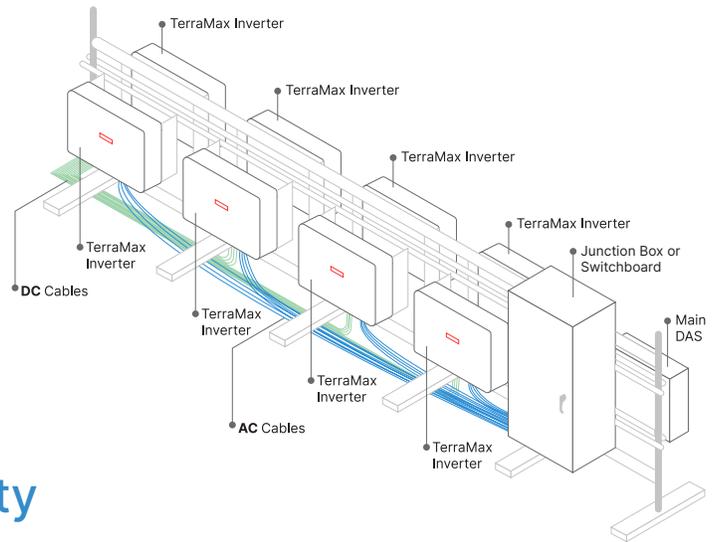
Real-Time Granular O&M with SolarEdge ONE

- Module-level monitoring — enables maximum system uptime
- Real-time identification of issues on modules, trackers, combiner boxes, and more — avoid truck rolls with remote diagnostics

* Data as of Q2 2025

Virtual Central Inverter Solution

- High-capacity, compact design — available in 1–5MW AC blocks for flexible deployment
- Pre-wired, pre-commissioned, pre-tested solution — lowers on-site labor costs
- Plug-and-play installation — smaller footprint, faster commissioning, earlier revenue
- Customizable power classes at 600 & 690VAC — configurable to meet project needs



Maximize Uptime and Safety



Built-in Safety

- **SafeDC™** feature is designed to lower string voltage to touch-safe levels (<40VDC)
- Enables a safer environment during installation and maintenance, and for emergency teams during fire events



AdvantEdge Power Protection

- Premium coverage with uptime guarantee to protect energy losses and minimize downtime**
- Protect PV investments by giving system/asset owners peace of mind

Proven Results: Real Project, Real Savings



"To optimize energy production at the Hartford Pike project, we needed to be able to monitor all 15,800 solar modules in real time and ensure we can pinpoint any issues quickly and efficiently. As the owner / operator of this project, the decision on what to build will impact our business for the next 25-years plus. It is in our best interests to use the best quality solution available."

James Pochez
Director of Project Development,
Sunlight General Capital



Schedule a consultation to learn how TerraMax 1500V solutions can optimize your next ground mount project

** Enrolled sites will be covered for a two-year period