Trinasolar

Accelerating Time to Power for **Hyperscale AI Data Centers**

Powering the AI Revolution with Proven Solar and Energy Storage Expertise

U.S. data center construction faces significant power constraints, and owners & operators who can accelerate time to power gain a significant competitive advantage. At Trinasolar, we understand the urgent need to deploy large-scale renewable energy infrastructure to support the growth of hyperscale AI data centers – because we've been there from the start, helping build it.

With decades of industry-leading technology and proven utility-scale expertise in solar and storage projects across the U.S., Trinasolar delivers the high-performance solar + storage assets owners and operators need to accelerate time to power and meet the growing energy requirements of hyperscale AI data centers.

Why Trinasolar for AI Data Centers

Immediate Power Availability
Co-located solar + battery systems overcome interconnection delays for rapid deployment.

Single-source Procurement
Coordinated industry-leading module and storage delivery and integration simplifies logistics and installation.

Energy Infrastructure Expertise
Trinasolar's team provides 28+ years of global experience in large-scale projects across diverse climates and regulatory landscapes.

Behind-the-Meter Advantages
Generate electricity where it's consumed and avoid transmission constraints.

Flexible and Scalable
Modular solar + storage designs future-proof projects, enabling phased build-out as data centers grow.

Energy Cost Predictability
Hedge against volatile utility rates with a stable energy supply.

Energy Security & Resilience
High-efficiency solar and storage systems that reduce grid reliance and support 24/7 uptime.

High Power Density
Optimize on-site generation with Trinasolar's high-power, high-efficiency Vertex N modules for energy-intensive AI operations.

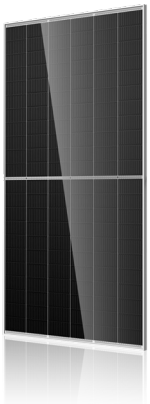
Proven Reliability
"Top Performer" and "Overall Highest Achiever" certification, third-party validated performance, and durability.

Sustainability Leadership
Support decarbonization targets with a Tier 1 bankable partner and responsible supply chain practices.

As AI drives explosive growth in power demand, Trina is a comprehensive partner with unmatched expertise in project design, solar and storage integration, and long-term reliability, helping owners and operators scale data centers smartly and sustainably.

Advanced Solar
and Storage Technology

Vertex N



Vertex N
(NEG21C.20)

up to
725W
Max Power
up to
23.2%
Max Efficiency

Vertex N
(NEG19RC.20)

up to
620W
Max Power
up to
23%
Max Efficiency

Trinasolar's industry-leading Vertex N 210mm n-type TOPCon modules deliver high power output and high efficiency, enabling design flexibility, reduced BOS costs, and lower LCOE to improve project IRR.

- **Optimized Performance**
  Vertex N modules engineered for high-density ground-mount applications with widespread component compatibility
- **Proven Reliability**
  Tier 1 module with 30-year power warranty, "Top Performer" and "Overall Highest Achievers" certification
- **Flexible Configurations**
  High power density supports diverse projects and site specifications with smaller footprints and fewer modules
- **Bulk Volume Capacity**
  Secure large-scale commitments for phased deployments

Elementa 2 *Pro Platform*

Trina Storage Elementa 2 Pro Platform is a next-gen, cutting-edge, grid-scale battery energy storage system built from the ground up using Trina's vertically integrated LFP cells. Deploy an optimized energy storage system designed for minimal downtime that reduces CAPEX and OPEX, improves TCO, and lowers LCOS.

- **Ultra Long-Life Trina Cells**
  Ensures long-term performance and cost efficiency
- **Comprehensive Safety**
  State-of-the-art fire mitigation and suppression system with all safety standards and certifications confirmed
- **Containerized BESS**
  Simplifies logistics and delivery
- **Flexible and Scalable**
  Compact side-by-side and back-to-back battery enables flexible site design, easy installation, and rapid scalability
- **Advanced Smart Management System**
  Streamlines and reduces O&M costs
- **Long-term Support**
  Full lifecycle support from pre-sales to post-sales

Your Trusted Partner for Hyperscale AI Data Center Projects

We know your hyperscale data center projects can't wait. Don't let the energy bottleneck limit your AI ambitions.

Ready to accelerate your time to power? Learn more about Trinasolar's dependable supply of modules and storage, and our proven expertise in helping owners and operators integrate solar and storage as a scalable, cost-effective, and sustainable energy source for hyperscale AI data centers to meet rising power needs and ESG commitments.

Interested in learning more?

Please contact us at www.trinasolar.com/us/contact-us

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