

Finally!

Clean heat and power – 24/7/365

A single system that

- Delivers industrial process heat and baseload power 24/7, every day of the year
- Is standalone or grid connected

A carbon free energy system that

- Is quick and easy to build
- Has low operating costs
- Doesn't use toxic energy storage materials

247Solar Plants™

Using technology born at MIT, 247Solar Plants store the sun's energy as heat instead of electricity, for 9 hours or more, at much lower cost than batteries. Each modular 247Solar Plant provides 400kWe of electricity and 600kWth of heat at 250°C, day and night and in bad weather, while occupying only five acres of land. Yet, 247Solar Plants are scalable to meet any demand.

Multiple modules ensure continuous delivery when one or more are offline, providing added flexibility, reliability, and resilience to any power project. No backup generators are required because 247Solar's turbines can also burn a variety of fuels, including hydrogen, to ensure 24/7/365 dispatchability.

We build, own and operate

247Solar Plants are delivered as turnkey solutions on a PPA basis. 247Solar's Power Purchase Agreements let you access 247Solar's clean electricity and industrial heat with no upfront capital investment. We design, build, own, and operate our system at your site—you pay only for the energy you use at a fixed, predictable rate.



Unique Characteristics

Simple design

- Few moving parts
- No exotic materials
- Operates on atmospheric-pressure air

Environmentally friendly

- 2x the output per acre per year as PV
- No toxic energy storage materials
- Easier permitting

Rapid deployment

- Identical turnkey modules
- Factory-produced components
- Rapid assembly, short project cycles

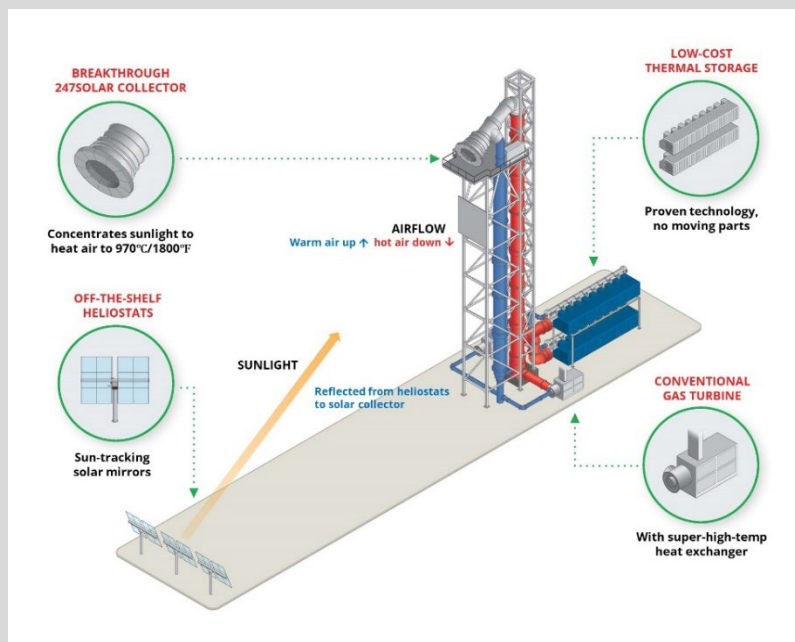
Economical operation

- No onsite operators
- No performance degradation
- Long service life

Breakthrough Technology

247Solar Plants combine three proprietary core technologies from 247Solar's Ultra-High Temperature Technology Platform:

1. An innovative Solar Collector that uses sunlight to heat ambient-pressure air to 970°C (1800°F).
2. A simple, inexpensive, Thermal Energy Storage system that stores energy as heat instead of electricity
3. A revolutionary Heat2Power™ turbine that converts ultra-hot, ambient-pressure air to electricity without combustion or emissions.



Extensive Applications

On-grid or off-grid, 247Solar Plants offer turnkey solutions for a broad range of applications:

- **Industrial CHP:** 24/7 low carbon Combined Heat & Power for industry
- **Ultra Heat:** Each 247Solar Plant can provide up to 1,500,000 Btu/hr. of heat at temperatures up to 1000°C/1800°F for industrial processes
- **Microgrids:** Always-on, emissions-free electricity and heat for islands, mines, communities, facilities
- **24/7 baseload power:** 24/7 solar electricity, especially for emerging economies
- **Green Hydrogen:** 24/7 solar electricity and heat to power electrolysis around the clock
- **Green Desalination:** 24/7 solar electricity and heat to purify water around the clock
- **Data Centers:** 24/7 zero-carbon electricity plus heat for absorption cooling

Tell us about your project:

Click on this box for an online form. It will help us quickly determine if our solutions can satisfy your energy needs. If we believe there's a fit, we will prepare a brief Pre-feasibility Study to discuss with you. The Study will include a pre-engineered solution and an initial economic evaluation.