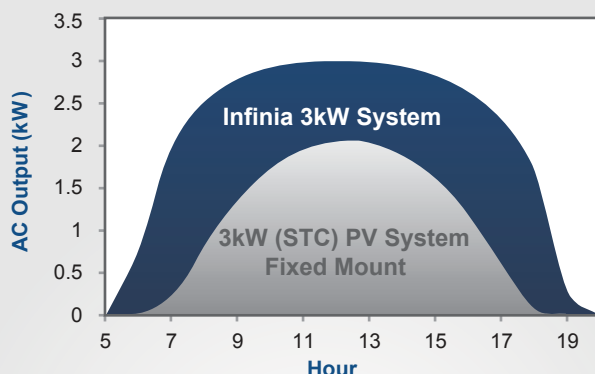


Clean Power Ahead

Up to Twice the kWh
Daily kWh - AC Power to Customer

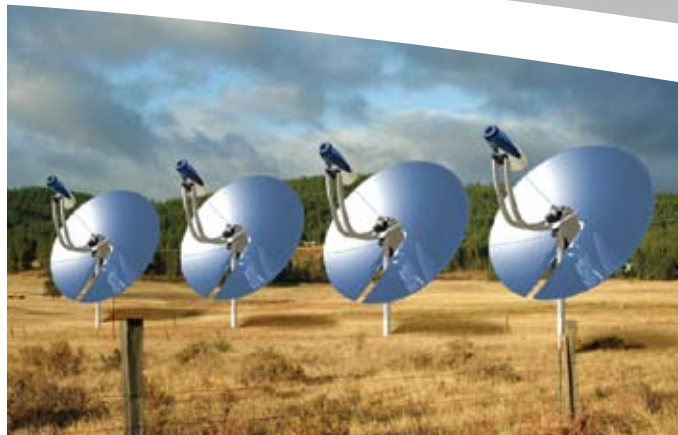


Infinia data based on NSRDB weather data for Daggett, CA, mid-summer day.
PV data from NREL's PVWATTS version 1 for Daggett, CA, mid-summer day.
PV system is 3kW STC and uses PVWATTS' default "DC to AC Derate Factor" of 0.77

Infinia's Stirling Solar product concentrates sunlight onto Infinia's 3 kW free-piston Stirling engine to generate clean, emissions free electricity. With a conversion efficiency of approximately 24%, Stirling Solar will produce up to twice as many kilowatt-hours of electricity than similarly sized crystal-line silicon PV systems. The proven reliability of the Infinia free-piston Stirling engine enables extended periods of unattended operation. This minimizes O&M costs and improves economic performance versus other forms of power generation.

Great looks, more power. . .

and a sunny disposition that will **change** how the world uses energy!



- 3kW **AC** output 120/240 VAC 1Ø, 208/230 VAC 3Ø
- Low O&M costs
 - No engine lubrication or maintenance
 - Tracking system maintenance same as dual axis PV
- Dual axis tracking system provides maximum energy production
- Simple installation
- 6kW thermal energy available as product option
- Emissions Avoidance

A single 3kW Stirling Solar located in Daggett, California, will produce over 8MWh annually. By replacing grid-supplied electricity, a megawatt array will remove 1,867 tons of carbon dioxide; 7 tons of nitrogen oxides and 11 tons of sulfur dioxide from the atmosphere annually.

Source: NREL estimates

Power Output*

Peak Power*	3kW (+/- 5%)
Voltage	120/240 VAC 1Ø - 208/230 VAC 3Ø **
Frequency **	Automatically sensed and adjusted between 47 – 62 Hz

* at rated input direct normal insolation (DNI) $\geq 850\text{W/m}^2$, at 20°C (68°F) ambient temperature, net power out @ terminal, clean reflector.

** voltage and frequency automatically sensed and adjusted according to voltages on output terminals (grid connect)

Conversion Efficiency: 24% Peak (Net AC Output divided by Rated direct normal insolation x collector area)

Other

Power Quality - $<5\%$ THD, IEEE 519

Power Factor - $>.95$ Leading or Lagging

Protective Relay Functions - UL 1741

Utility Interconnection - IEEE 1547, CA Rule 21

Anti-Islanding

Weights & Dimensions

Width	15.4 feet (4.7 meters)
Length	15.4 feet (4.7 meters)
Height	22 feet (6.7 meters)
Weight	1900 lb (864 kg)

Certifications

ETL, CE, and CEC Listing

Ambient Conditions

Operating Temperature Range	-4°F to 131°F (-20°C to 55°C)
Operating Elevation Range	Up to 6,200 feet (1,890 meters) above sea level
Operating Relative Humidity Range	0 to 100%
Wind Speed – Maximum*	100 mph (162 km/h, 45 m/s)
Snow Load, Maximum, Stowed*	20.9 psf (1 kN/m ²) on inverted dish
Ice Load, Maximum, Stowed*	2 inch (5 cm on one side)

* non-concurrent

Preliminary - Design and specifications are subject to change
Version 501336rB