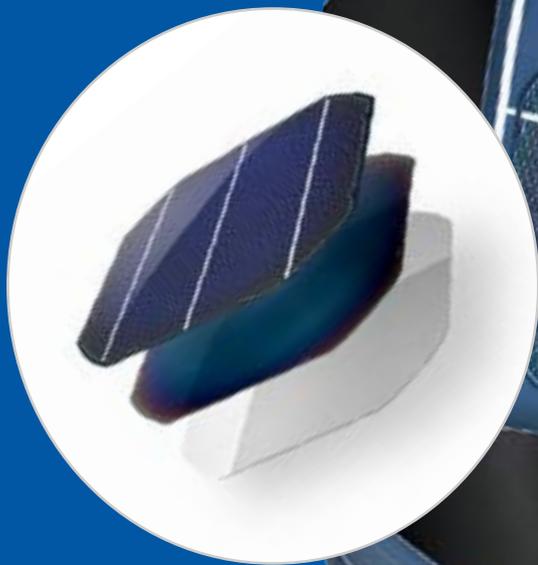


Game Changer

Sunflare Introduces Capture4 solar technology, the first high-precision, cell by cell manufacturing process for exceptional performance and durability. And the environmentally cleanest method of mass producing solar panels in the world.



Lightweight

75% lighter than c-Si panels.

Thin

95% thinner than c-Si panels.

Flexible

The .127mm stainless steel substrate allows for generous curvature.

Durable

Withstands high impact. Impervious to heat, wind and cold. Will not crack.

More Electricity in Real-World Conditions

Better at Dawn and Dusk

Sunflare delivers more energy than c-Si in low light condition.

Better in Poor Weather

Cloudy days, fog, and high humidity, no problem.

Better When the Heat is On

SUN² panels have a low temperature coefficient that yields more power than traditional silicon. When temperatures climb to extremes in the summer, in the desert, or just at midday, Sunflare shines.

Easy Installation

Fast and low cost installation. Adheres with best quality double sided tape and no roof penetrations.

Shading

Sunflare modules have bypass diodes on each individual cell. This means that when a cell is being shaded, only that individual cell will be inactive. Therefore, the power output of the module will be proportional to the amount of the module being shaded, i.e. if half of the module is shaded, you should expect half of the rated power output.

Guaranteed Reliability for 25 years

90% efficiency output for first 10 years

80% efficiency output 11-25 years

Electrical Data

Standard Test Conditions:

Peak Power (+5/-3%)	Pmax	193W
Cell Efficiency		15.10%
Panel Efficiency		11.70%
Rated Voltage	Vmpp	29.58V±3%
Rate Current	Impp	6.52A±3%
Open Circuit Voltage	Voc	37.11V±4%
Short Circuit Current	Isc	7.53A±2%
Maximum System Voltage	UL	1000V
Temperature Coefficients Power		-0.31 %/°C
Temperature Coefficients Voltage		-0.25 %/°C
Temperature Coefficients Current		+0.03%/°C
NOCT		52.1°C
Series Fuse Rating		8A
Grounding		Not Required
Nominal Power	Pnom	149W
Factory Binning	W	TBD

*Irradiance of 1000W/mxm, AM 1.5 and cell temperature 25 degree C

Nominal Operating Cell Temperature:

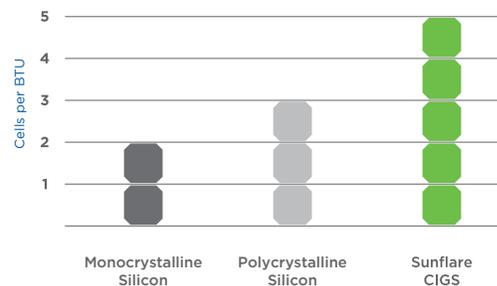
Rated Voltage	Vmpp	28.41V±3%
Rated Current	Impp	5.24A±3%
Open-Circuit Voltage	Voc	36.08V±4%
Short-Circuit Voltage	Isc	6.06A±2%

*Irradiance of 800W/m x m, 20 degree C, Wind 1 m/s

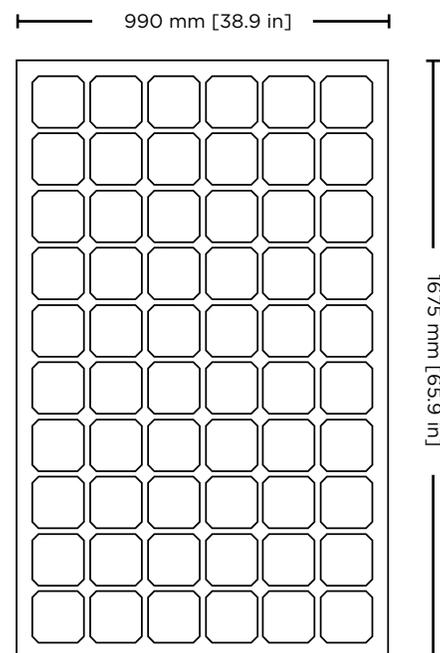
Module Specs

Environmentally Friendliest

More cells with less BTUs



Module Dimension



Module Thickness

2 mm

Temperature F (C)

-40° F to + 185° F (-40°C to +85°C)

Max Load

Wind: 50 psf, 2400 Pa front and back.

Impact Resistance

25mm (1 in) diameter hail at 52 mph (23 m/s)

Mechanical Data

Solar Cell	60 CIGS SUN²
Junction Box	Multi-Contact PV-Junction Box TwinBox
Connector	MC4 PV-KST4/PV-KBT4
Cable	Helukabel SOLARFLEX®-X PV1-F 4mm
Frame	No frame
Weight	5kg (11 lbs)
Hot Spot Protection	Bypass diode every two cells