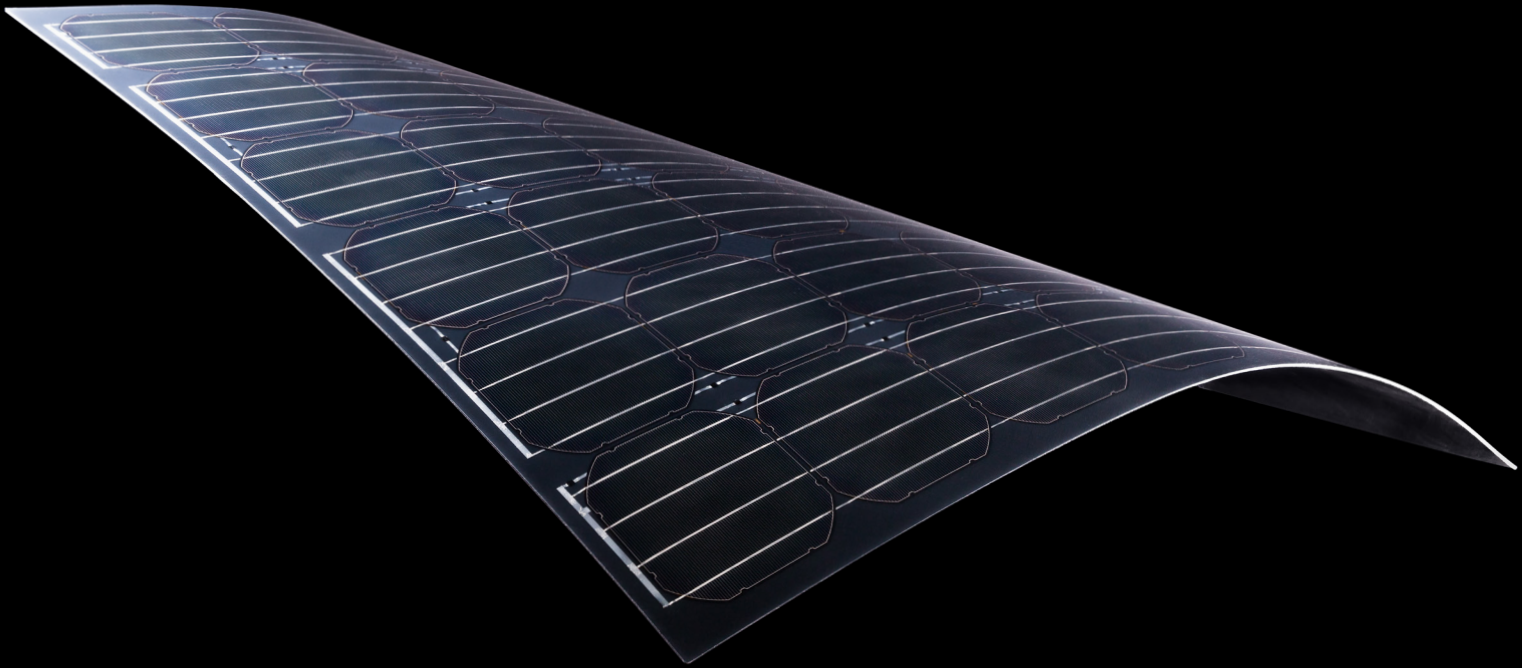


XPLOR

BY  sonflare





GAME CHANGER

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

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.

Won't Crack Under Pressure

Traditional cells are made with silicon, which is brittle. Flexing creates cracking in the cell. These cracks reduce the energy output over time. Sunflare has a flexible stainless steel substrate which does not micro-crack.

Easy Installation

Fast and low cost installation. Adheres with best quality double sided tape.

Bypass Diodes on Every Cell

Most competitor panels come with only two bypass diodes that string multiple solar cells. This means if you have shade, debris, or damage on one cell, the entire string of cells will turn off, making the entire module perform poorly and possibly become completely useless. Bypass diodes are put in to combat hot spots and keep the electric current flowing optimally. XPLOR series panels have bypass diodes on every cell, maximizing its performance and dependability.

GUARANTEED RELIABILITY FOR 25 YEARS

90% efficiency output for first 10 years
80% efficiency output 11-25 years



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.

DATA SHEET FOR FLEX60-180W

ELECTRICAL DATA

Standard Test Conditions:

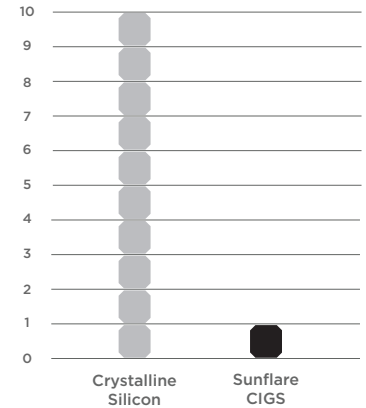
FLEX60-180W

Peak Power (+5/-0%)	Pmax	180W
Cell Efficiency		16.0%
Peak Power Voltage	Vmpp	27.9V
Peak Power Current	Imp	6.2A
Open Circuit Voltage	Voc	36.0V
Short Circuit Current	Isc	7.4A
Maximum System Voltage	UL/IEC	1000V
Temperature Coefficient Power		-0.40 %/°C
Temperature Coefficient Voltage		-0.25 %/°C
Temperature Coefficient Current		+0.03%/°C
NOCT		52.1°C
Series Fuse Rating		12A
Grounding		Not Required

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

Environmentally Cleanest

1/10 Carbon Footprint of Silicon modules



Source: Life cycle assessment of CIGS solar modules and future integration in Zbee
2017-12-18 Sandra Roos, Magdalena Juntikka. Study reviewed and approved by Swedish independent third-party institute Miljögraff AB.

MECHANICAL DATA

Solar Cells	SUN ² CIGS
Junction Box	IP-65, MC4 compatible
Frame	No frame
Weight	5kg (11 lbs)
Hot Spot Protection	Bypass diode per cell

Module Thickness

1.7 mm

Temperature F (C)

-40° F to +185° F (-40°C to +85°C)

Max Load

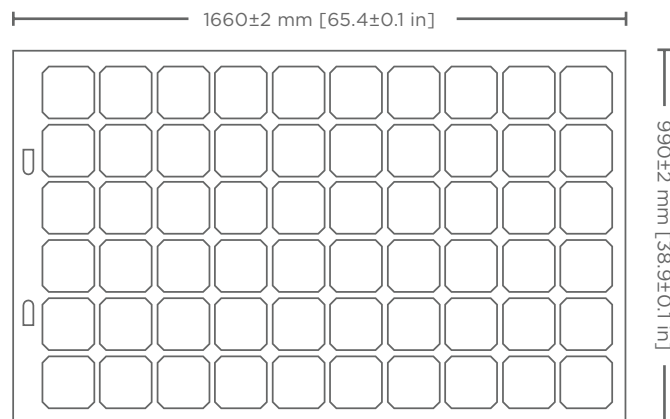
Wind: 50 psf, 2400 Pa front
and back.

Impact Resistance

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

MODULE SPECS

Module Dimension



Revised on October 3, 2022.