

50-200W

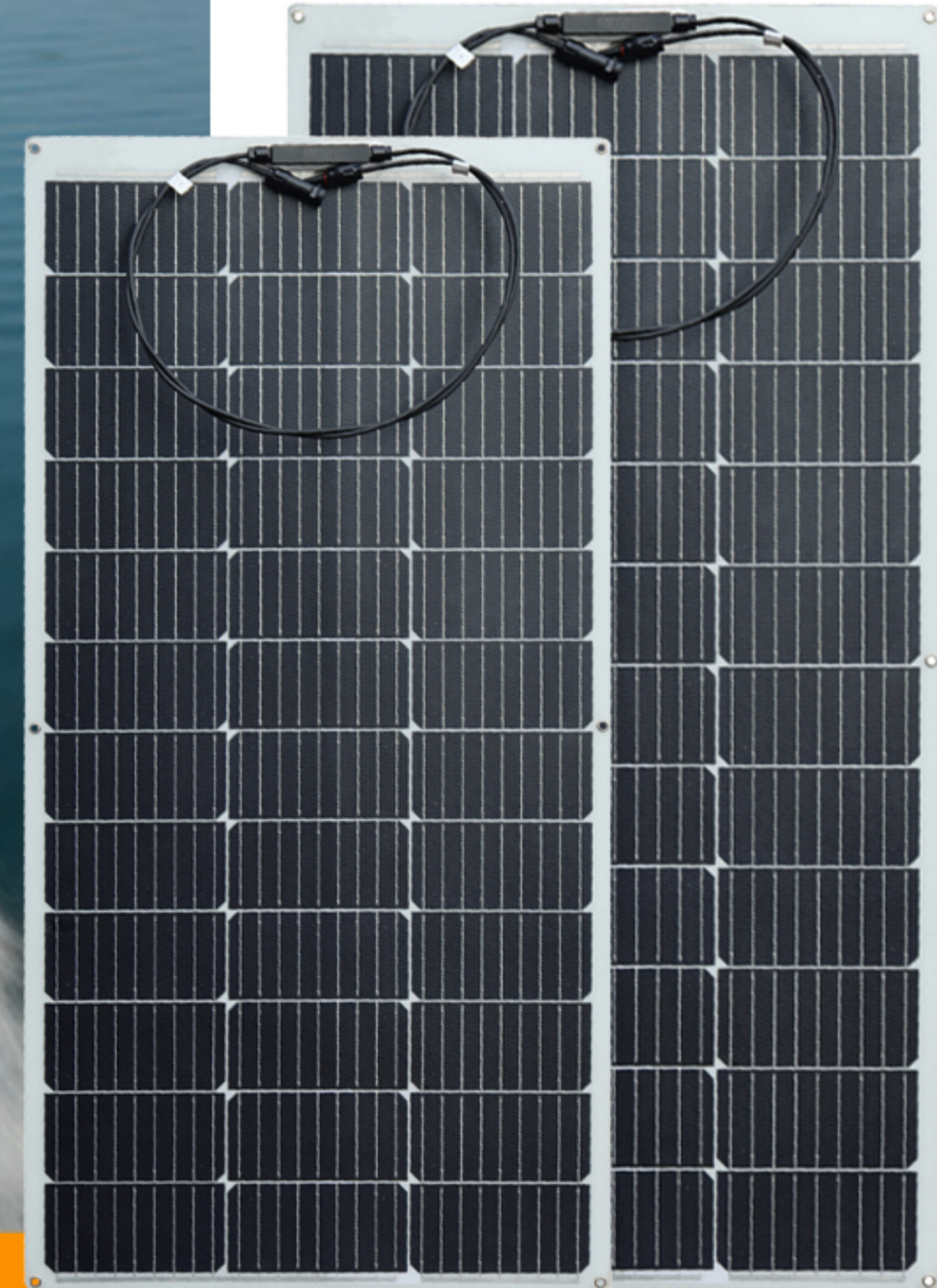
Solarparts-L-F-Series





Solarparts-L-F-Series

high-efficiency cell
flexible PV module



Features



【Extremely Flexible】

This flexible solar panel is capable of meeting a wide range of applications where standard panels can be inconvenient to mount, such as on the curved roof of an airstream.



【Ultra Thin】

Hardly noticeable, the Solarparts-F-L flexible solar panel is approximately 95% thinner than its rigid counterpart, this panel is ideal for a stealthy solar setup.



【Potential Uses】

The flexible solar panel can be primarily used on off-grid applications that include marine, rooftop, RV, boats and any curvy surfaces.



【Ultra Light】

Thanks to advanced polymer materials, these flexible solar panels weigh 70% less than conventional solar panels, making transportation and installation a breeze.



【Reliable and Durable】

This solar panel accomplishes with IP67 rated waterproof junction box and solar connectors. Withstand up to 5400 Pa of heavy snow load and up to 2400 Pa of high wind.

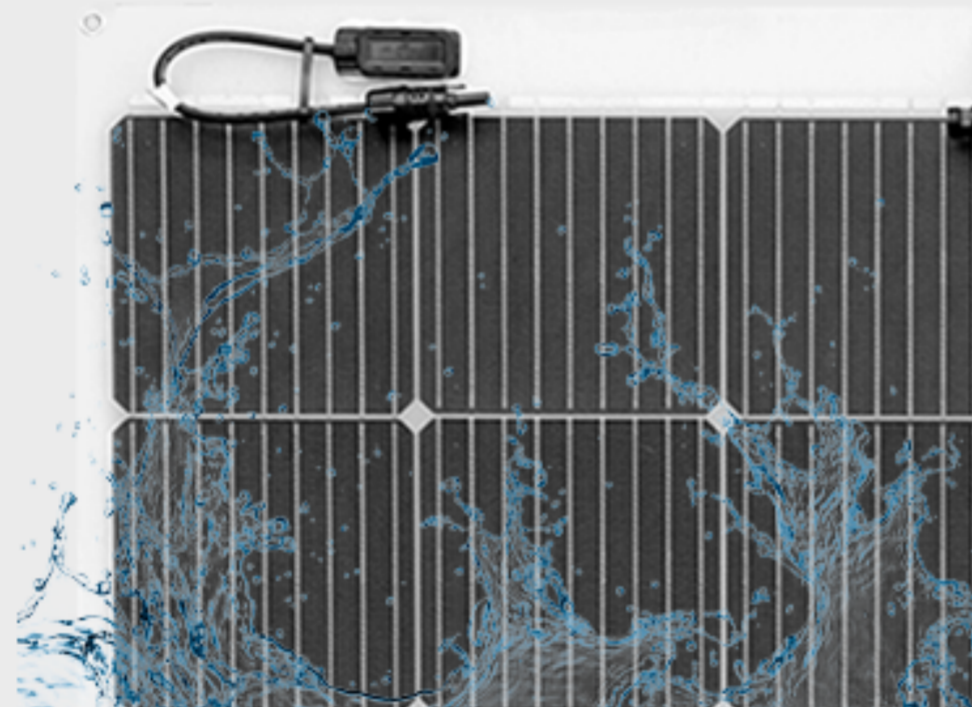
Long lasting and stable quality

- Through various long-term reliability tests.
- ISO 9001, ISO 14001 and BSCI, CE, ROHS, REACH
- The reliability of components is effectively ensured under EL test before and after lamination.
- Fully automatic production line and the leading photovoltaic technology.

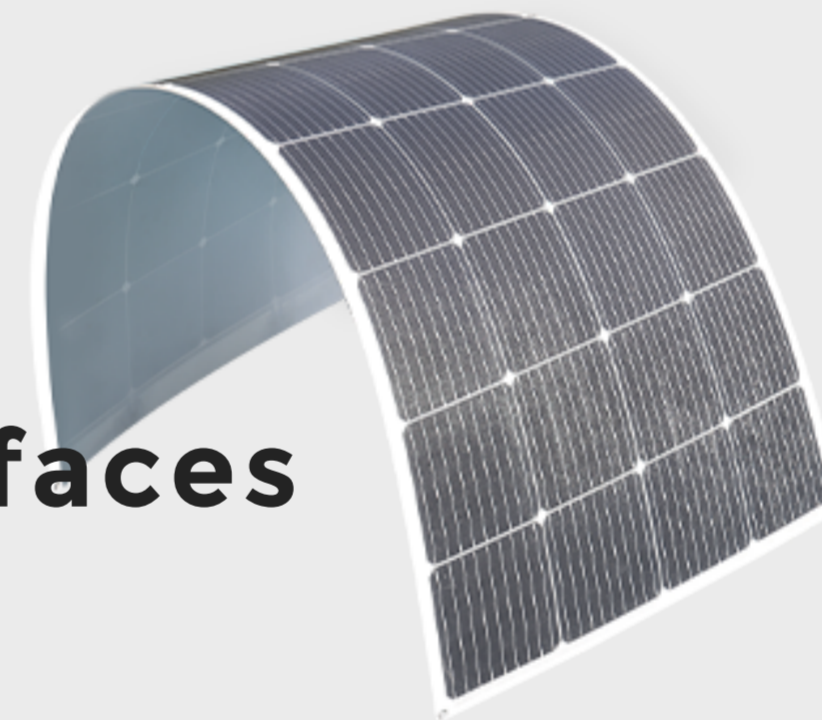
Solarparts-L-F-Series

Model NO.	Pmax(W)	Vmp(V)	Size(mm)	Weight(kg)	Performance Tolerance	Packing(mm)	Efficiency
201010276	50	19.8	840*370*2	1.140kg	±5%	850*400*30	22%
201010277	100	19.8	1075*540*2	1.140kg	±5%	1175*650*25	22%
201010288	120	18.8	1085*590*2	1.140kg	±5%	1235*740*25	22%
201010287	150	22.8	993*775*2	1.140kg	±5%	1160*925*25	22%
201010279	200	19.8	1590*710*2	1.140kg	±5%	1690*810*25	22%

IP68
Waterproof

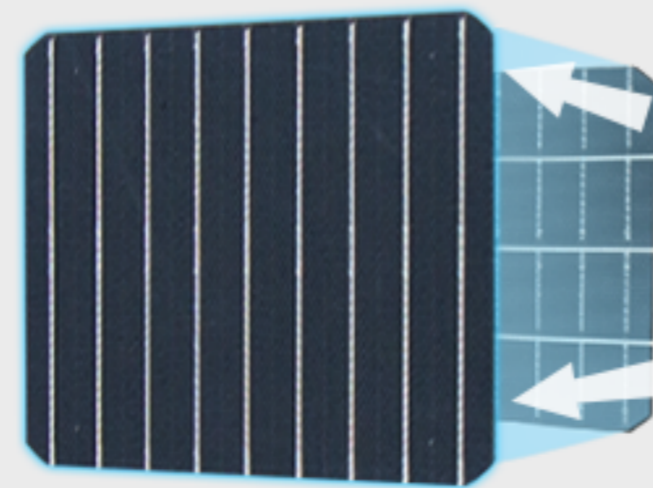


Flexible for Curved Surfaces
70% Lighter

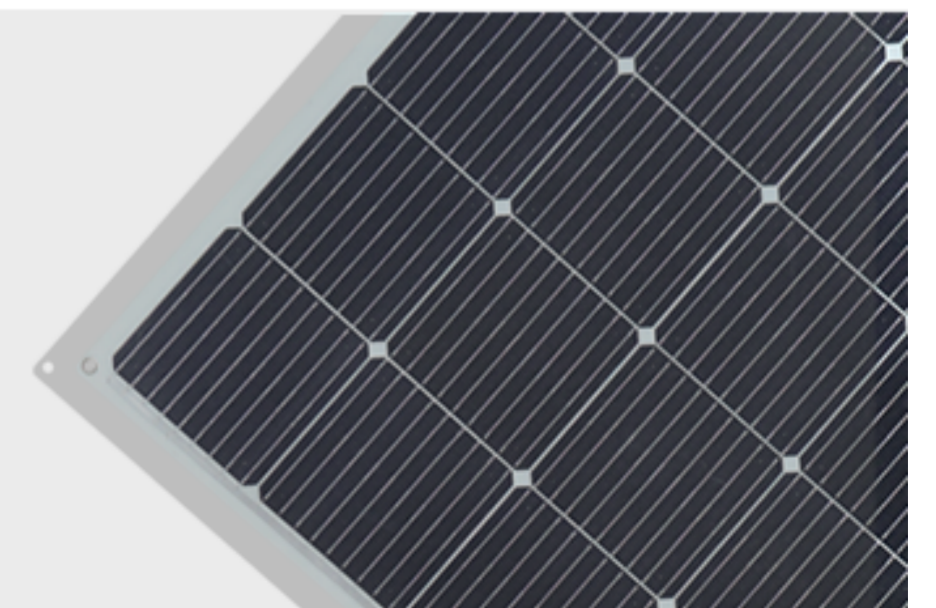


180°
Curve

23% High

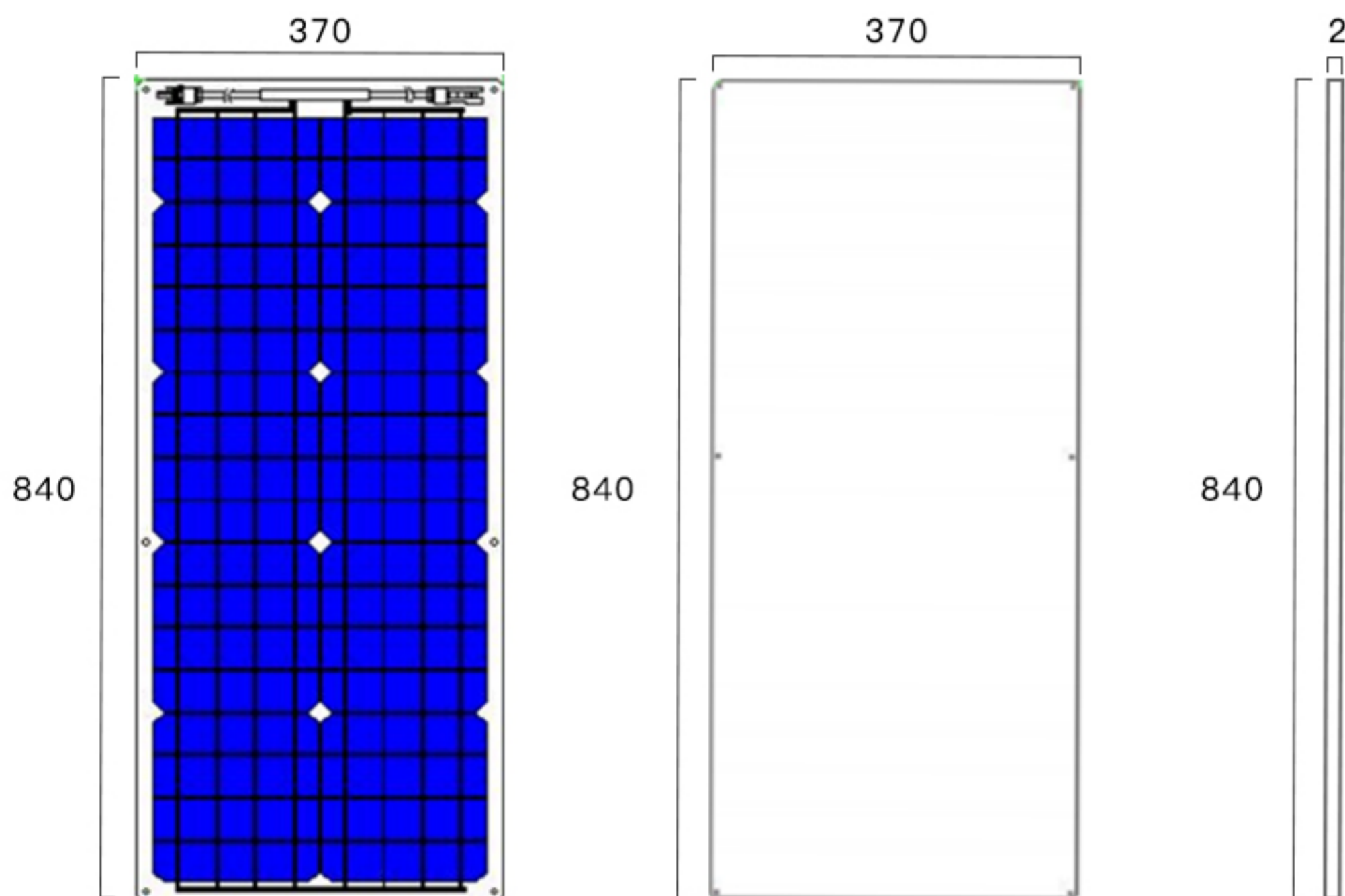


Built to Last



MECHANICAL DIAGRAMS

Model No: PG-840-370-001 SKU: 201010276



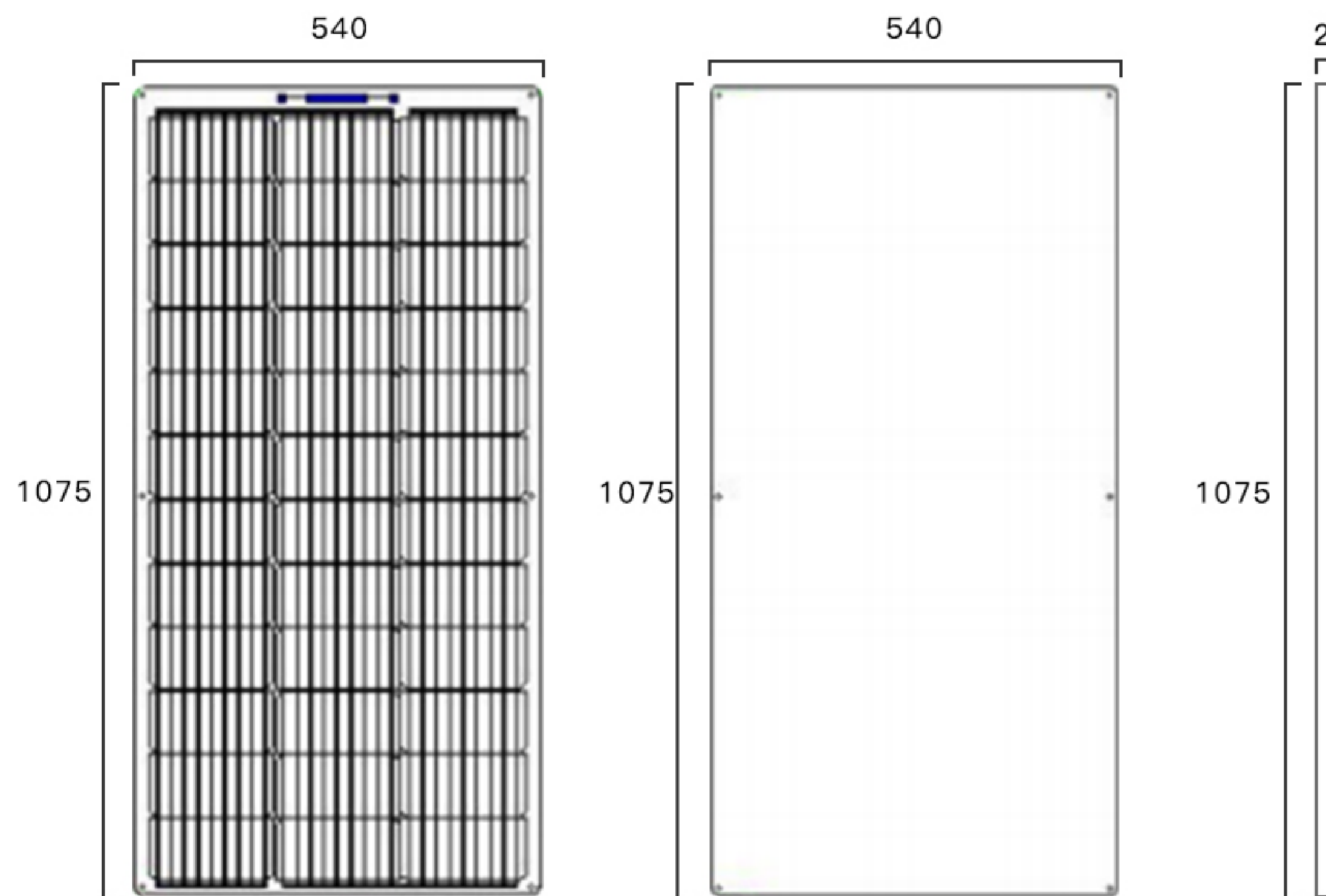
SPECIFICATIONS

Length	840mm (±2mm)
Width	370mm (±2mm)
Thickness	2mm (±0.3mm)
Open-circuit voltage	27.36V
Short-circuit current	2.75A
Voltage at maximum power point	19.8V
Current at maximum power point	2.5A
The maximum power	50W

☀ Standard testing condition(STC): Irradiance 1000W/m², 25°C,AM1.5

MECHANICAL DIAGRAMS

Model No: PG-1075-540-001 SKU: 201010277



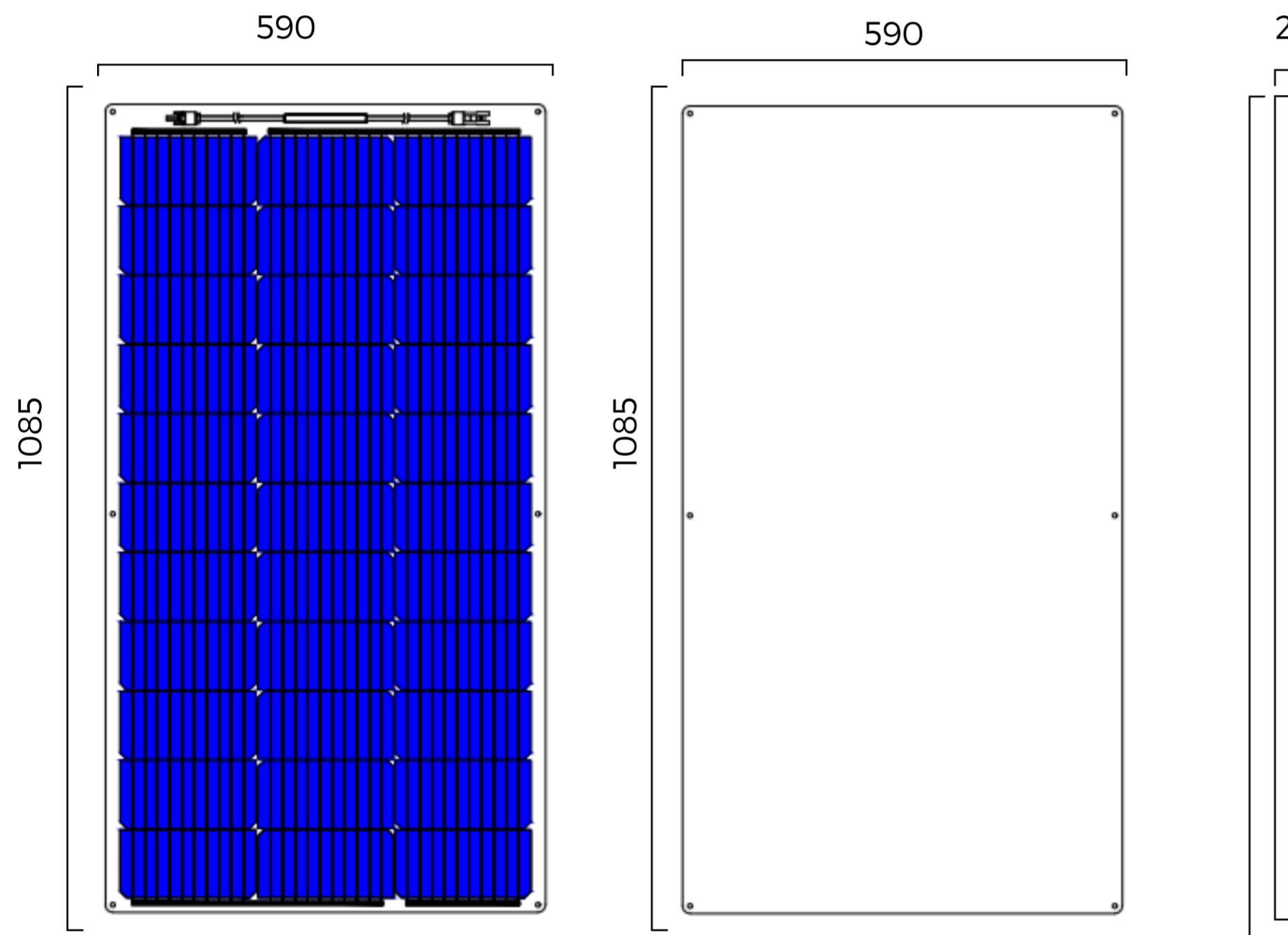
SPECIFICATIONS

Length	1075mm (±2mm)
Width	540mm (±2mm)
Thickness	2mm (±0.3mm)
Open-circuit voltage	23.76V
Short-circuit current	5.56A
Voltage at maximum power point	19.8V
Current at maximum power point	5.05A
The maximum power	100W

☀ Standard testing condition(STC): Irradiance 1000W/m², 25°C,AM1.5

MECHANICAL DIAGRAMS

Model No: PG-1085-590-001 SKU: 201010288



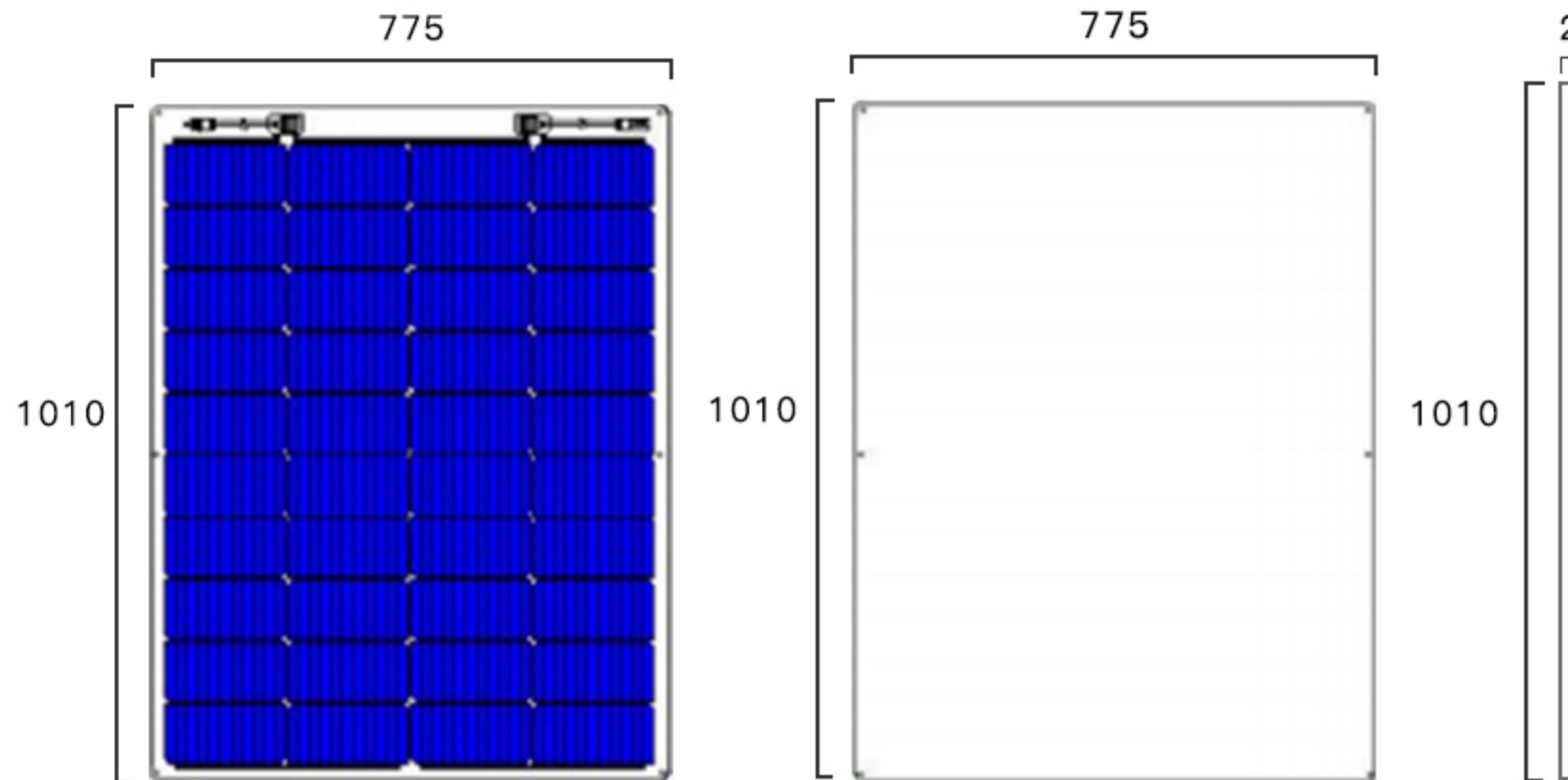
SPECIFICATIONS

Length	1085mm (±2mm)
Width	590mm (±2mm)
Thickness	2mm (±0.3mm)
Open-circuit voltage	22.56V
Short-circuit current	2.75A
Voltage at maximum power point	18.8V
Current at maximum power point	7.02A
The maximum power	120W

☀ Standard testing condition(STC): Irradiance 1000W/m², 25°C, AM1.5

MECHANICAL DIAGRAMS

Model No: PG-1010-775-001 SKU: 201010287



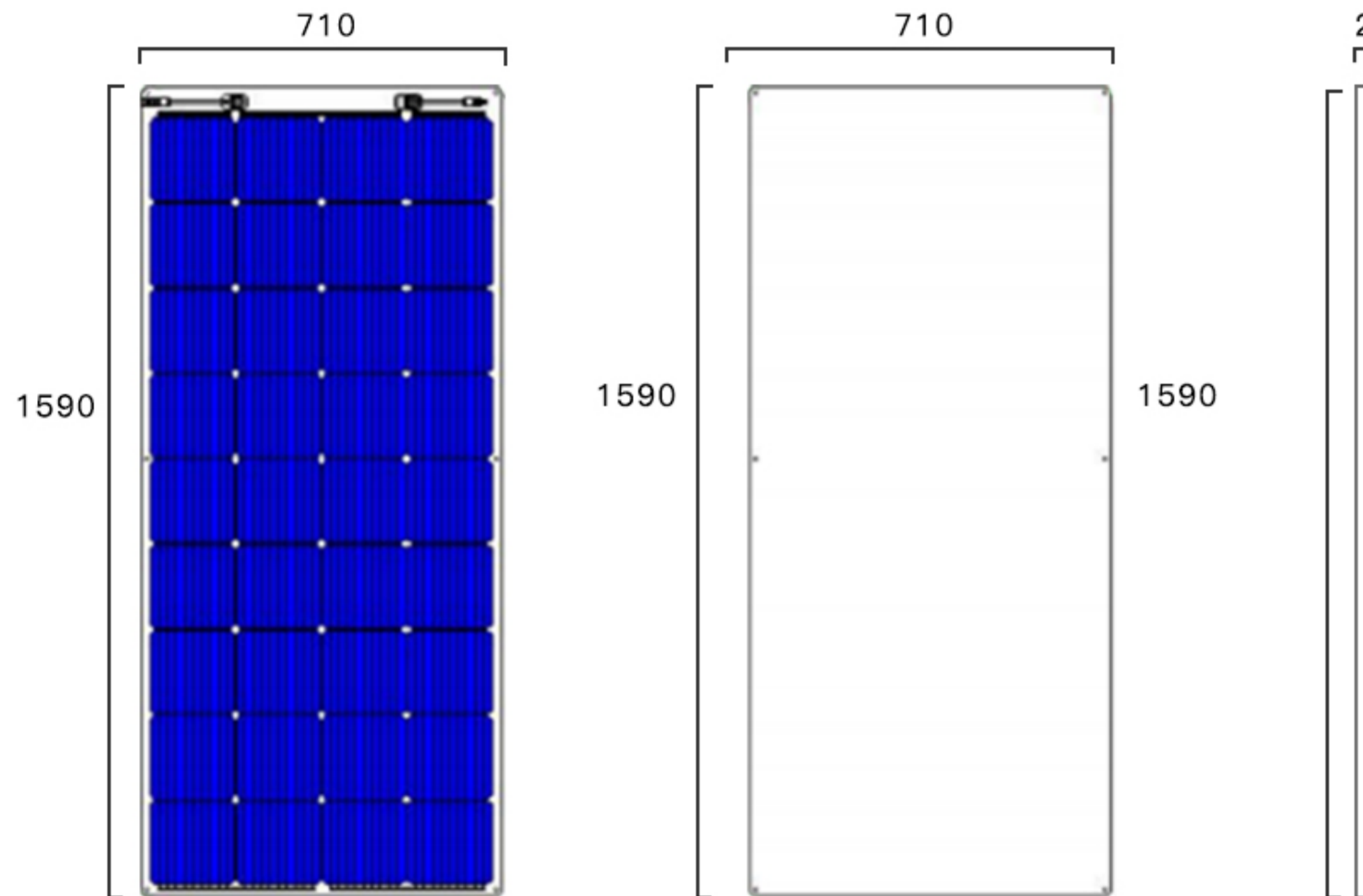
SPECIFICATIONS

Length	1010mm (±2mm)
Width	775mm (±2mm)
Thickness	2mm (±0.3mm)
Open-circuit voltage	27.36V
Short-circuit current	7.24A
Voltage at maximum power point	22.8V
Current at maximum power point	6.58A
The maximum power	150W

☀ Standard testing condition(STC): Irradiance 1000W/m², 25°C,AM1.5

MECHANICAL DIAGRAMS

Model No: PG-1590-710-001 SKU: 201010279



SPECIFICATIONS

Length	1590mm (±2mm)
Width	710mm (±2mm)
Thickness	2mm (±0.3mm)
Open-circuit voltage	23.76V
Short-circuit current	11.11A
Voltage at maximum power point	19.8V
Current at maximum power point	10.1A
The maximum power	200W

☀ Standard testing condition(STC): Irradiance 1000W/m², 25°C, AM1.5

Materials&Connections

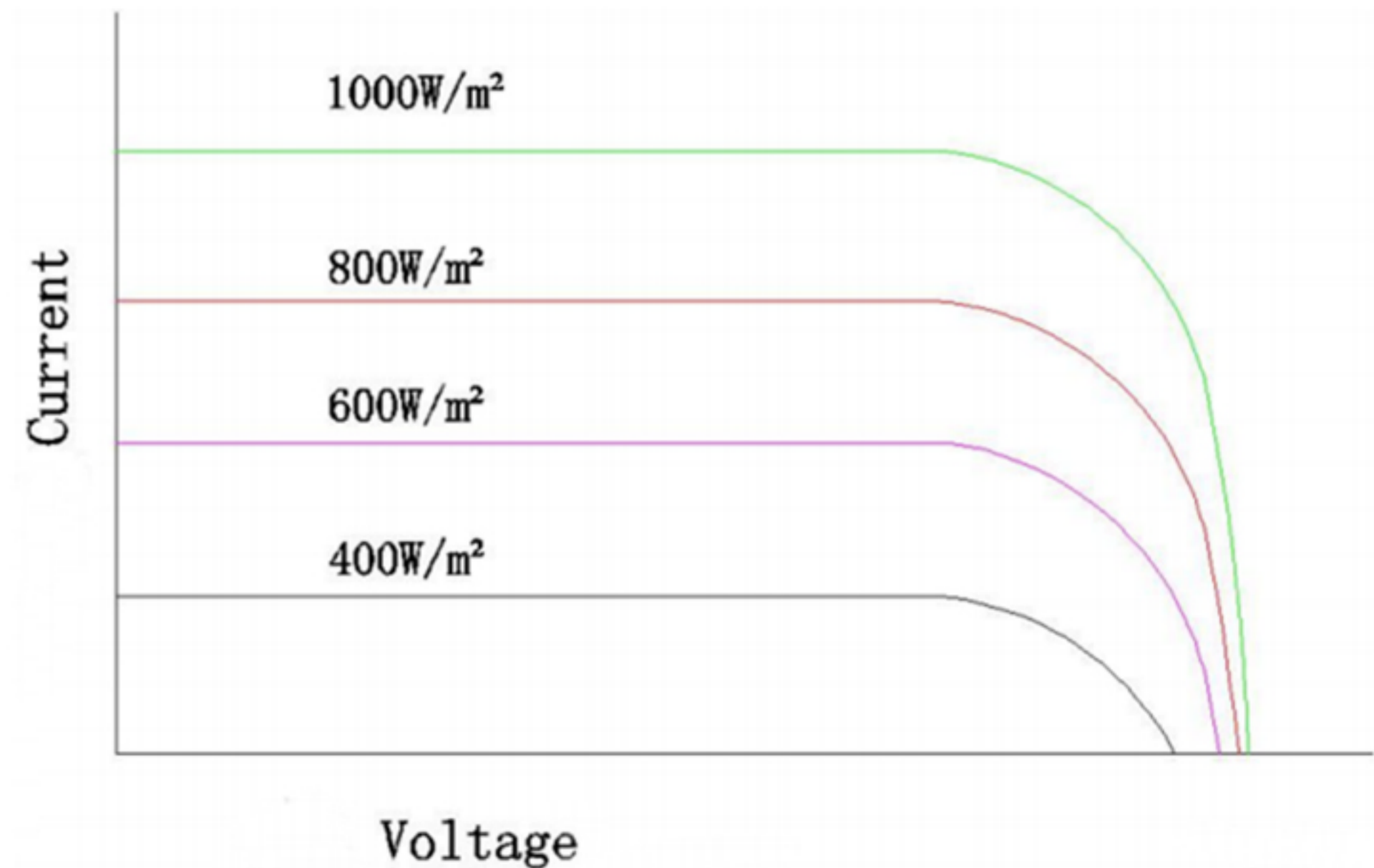
ETFE	0.025mm thickness
PET	0.3mm thickness
EVA	0.45mm thickness
Output Connection	Terminal box outgoing line

Connection of solar cells	36 pieces in series
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Temperature coefficient

Temperature coefficient of power	$-(0.47\pm 0.05)\%/^{\circ}\text{C}$
Temperature Coefficient of voltage	$-(0.34\pm 0.01)\%/^{\circ}\text{C}$
Temperature Coefficient of current	$(0.045\pm 0.01)\%/^{\circ}\text{C}$

Intensity–Electrical performance diagram



Attention 1、 Not contact with strongly corrosive substances..Neutral silicone adhesives are not corrosive to products.

Use and storage 1、 Storage conditions: Normal temperature, dry and ventilated place

2、 Use in outdoor environment without shielding under the sun
3、 Dust and water proof grade of solar panel: IP65

WIDE APPLIATION



“Mission:

**Absorbing Sunshine
Focusing Energy**

Returning the earth to a clean place”

SOLARParts[®]
For Consumable Energies

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