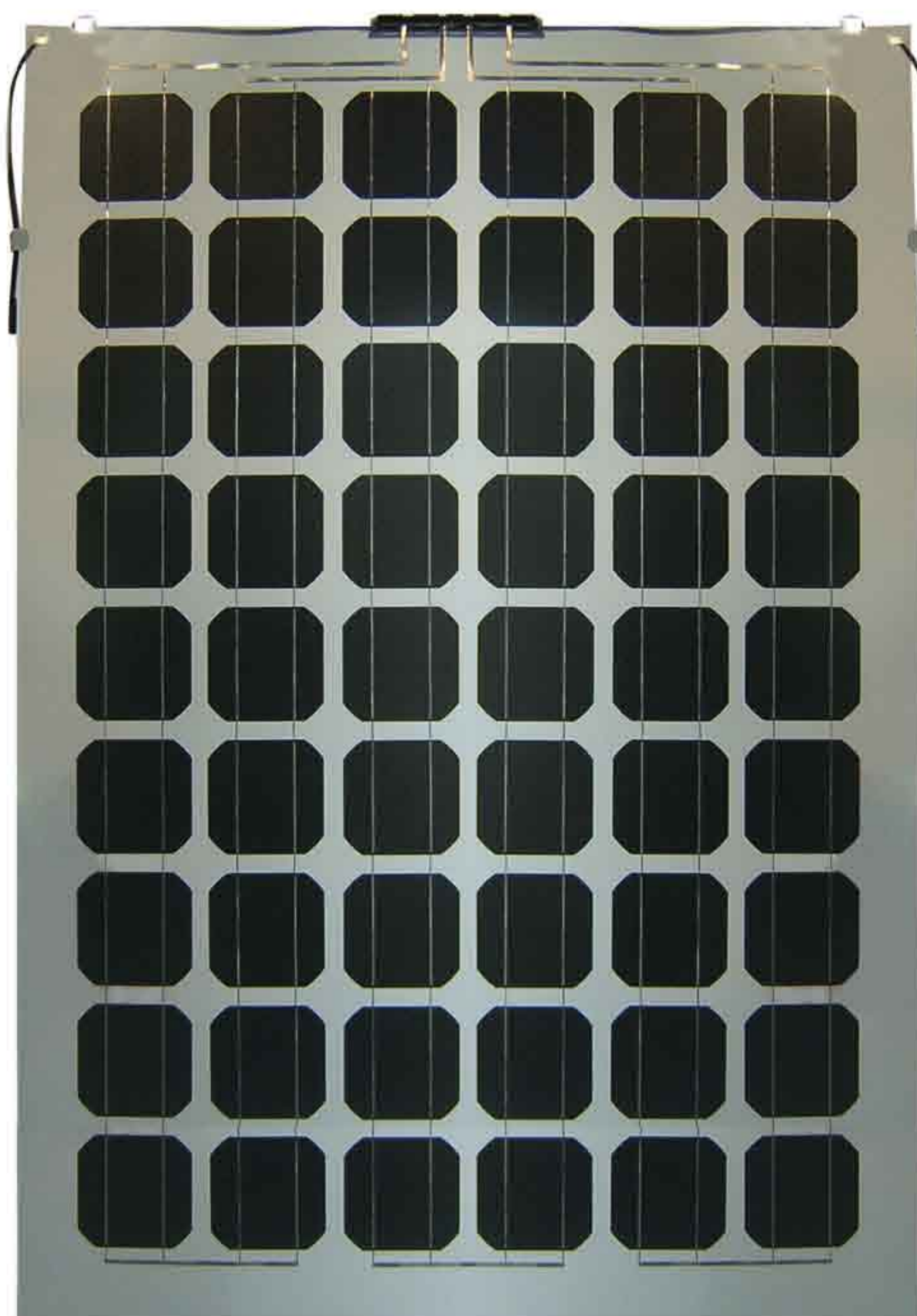
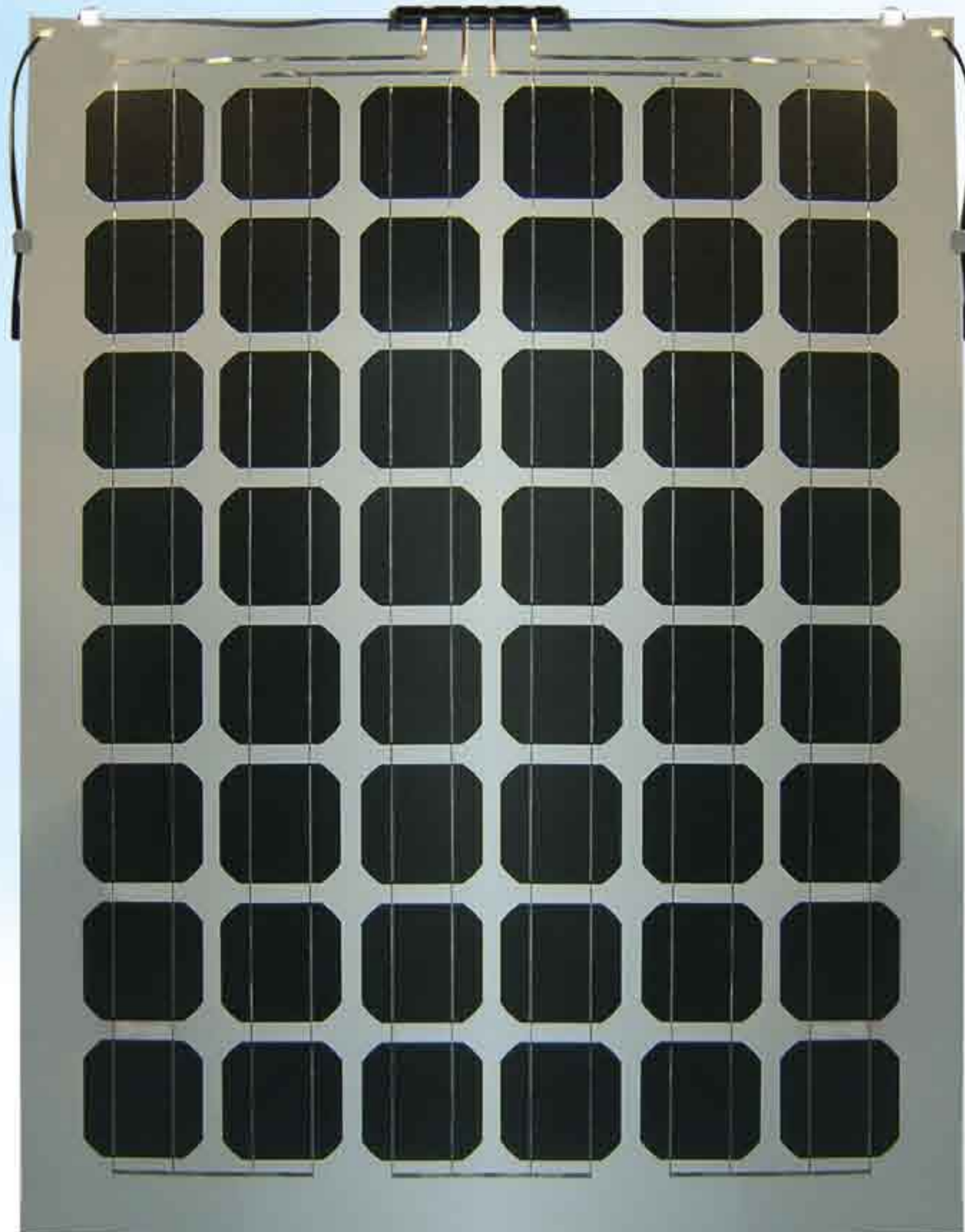


BIPV Module

EL-48/5M-B120(120 Watt)

EL-54/5M-B135(135 Watt)



Everlight BIPV Modules

Everlight Building Integrated Photovoltaic (BIPV) modules are the best way to incorporate solar power into your building plan. Everlight BIPV modules blend into your structure in an aesthetically pleasing way, replacing conventional building materials with energy generating modules that will power your structure and save money for years to come. Additionally, you can take pride in the fact that you are drastically reducing the carbon footprint of your structure, an important consideration as governments move towards more environmentally proactive policies.

KEY FEATURES

Superior Performance

- Made with high quality monocrystalline solar cells to ensure output stability and industry leading power generation
- Cell conversion efficiency > 15%
- Integrated BIPV designs enhance the aesthetic qualities
- Significant reduction in carbon footprint

Durability

- High quality, impact resistant tempered glass encapsulation protects the cells from wind, rain, snow and ice.

Value

- One of the most cost effective ways of integrating solar power
- BIPV system costs offset by reduced costs from conventional materials and labor
- Reduced buy-back time

Versatility

- Can be applied to a number of building components such as walls, rooftops, awnings, skylights, overhangs, slopes and windows.

Reliability

- Manufactured to the highest standards in our ISO 9001:2008 certified plant, Helios Photovoltaic Co. Ltd.
- 25 year limited warranty on power output
- 7 year limited warranty on materials and workmanship

Headquarters-Hong Kong

Everlight Corporation Ltd.

2506, West Tower, Shun Tak Centre, 168-200 Connaught Road, Central, Hong Kong

Tel: +852 6614 4916 Fax: +852 2815 1975

URL: www.everlight-solar.com



Manufactory-China

Helios Photovoltaic Co., Ltd.

Unit 3-A, 86 West Wujin Avenue, Wujin Hi-tech Industrial Zone 213164, Changzhou, Jiangsu Province, China

Tel: +86 519 8648 8901/2/3 Fax: +86 519 8648 2889

URL: www.helios-pv.com

Module Specifications

ELECTRICAL CHARACTERISTICS

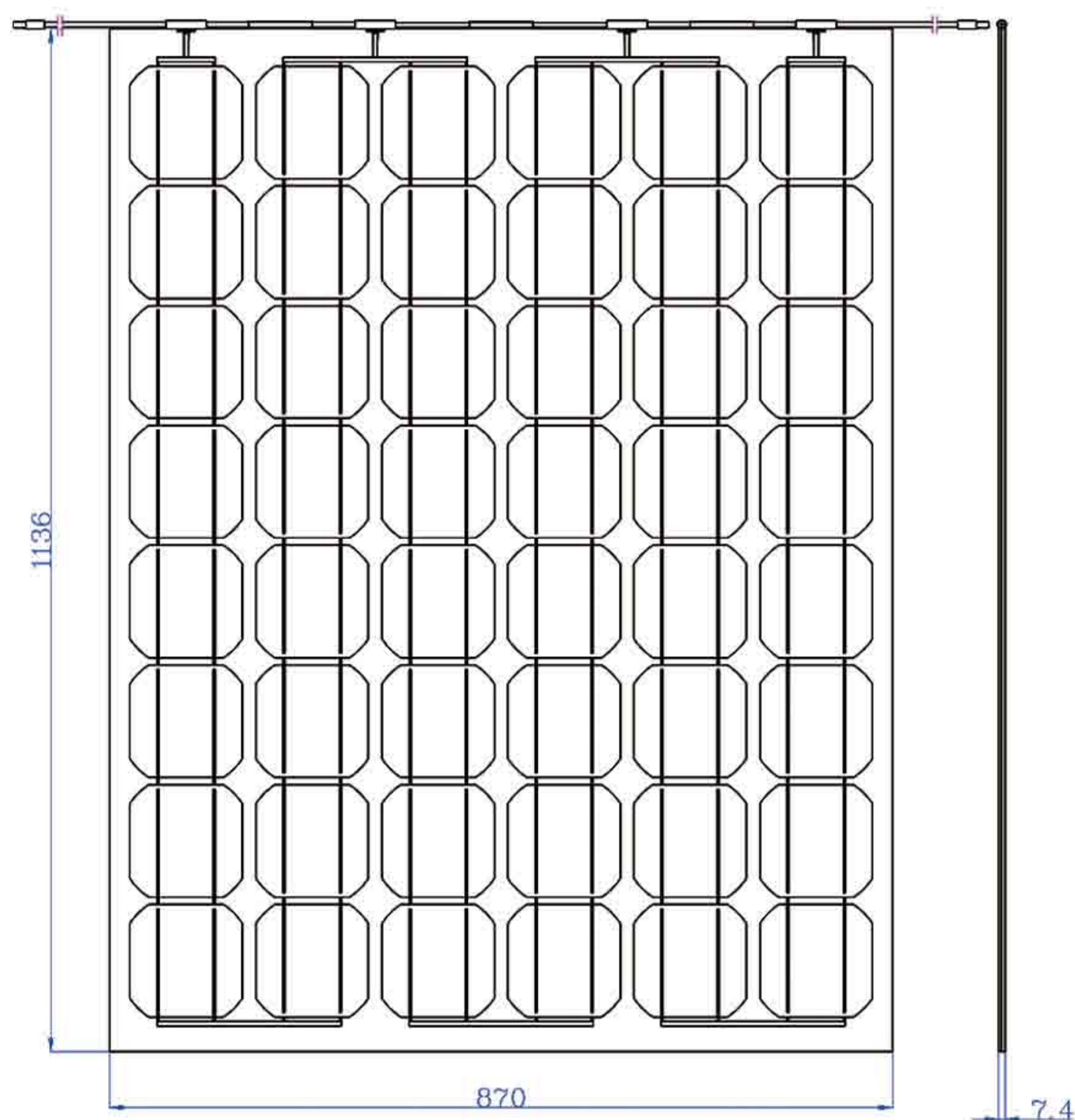
Model	EL-48/5M-B	EL-54/5M-B
Maximum power (Pmax)	120 W	135 W
Voltage at max. power (Vmp)	24.9 V	28.0 V
Current at max. power (Imp)	4.82 A	4.82 A
Open circuit voltage (Voc)	30.8 V	34.6 V
Short circuit current (Isc)	5.3 A	5.3 A
Temperature coefficient of Isc	0.065%/oC	
Temperature coefficient of Voc	-160mV/oC	
Temperature coefficient of power	-0.45%/oC	
Peak Power per Unit Area	121 W/m ²	122 W/m ²
CEC PTC Rating	107 W	120 W

MECHANICAL CHARACTERISTICS

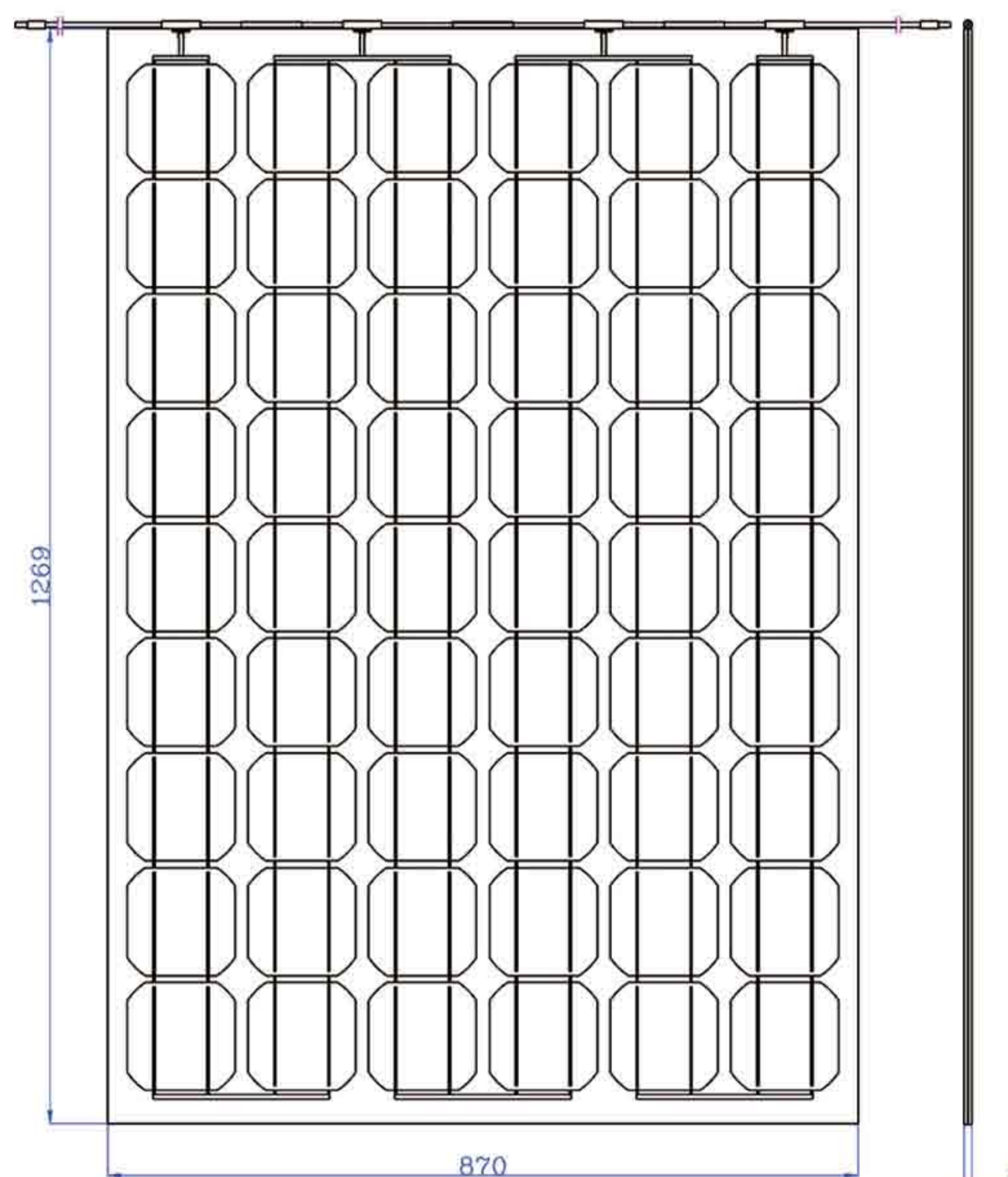
Solar Cells	48×monocrystalline 125×125	54×monocrystalline 125×125
Dimensions	1136 × 870 mm	1269 × 870 mm
Weight	17Kg	23Kg
Matrix	6×8	6×9
Solar glass	3.2 mm	4 mm
Thickness	7.4 mm	9 mm

MODULE DIAGRAM

EL-48/5M-B



EL-54/5M-B

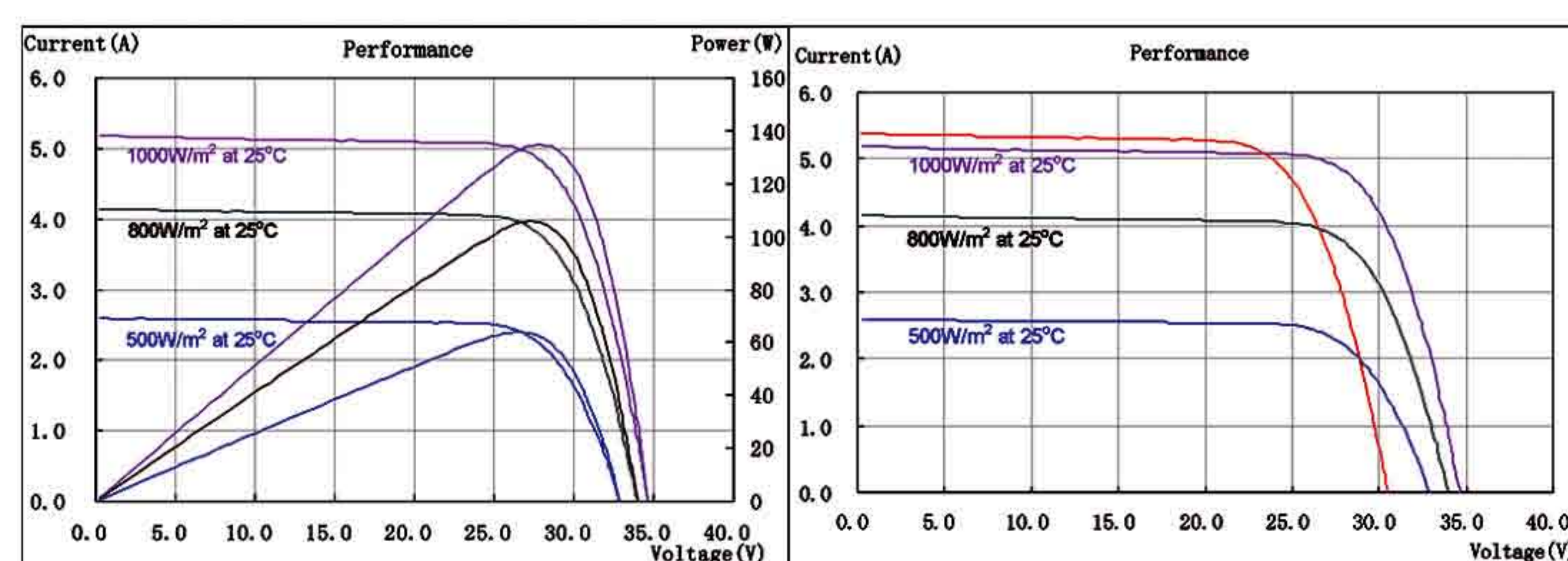
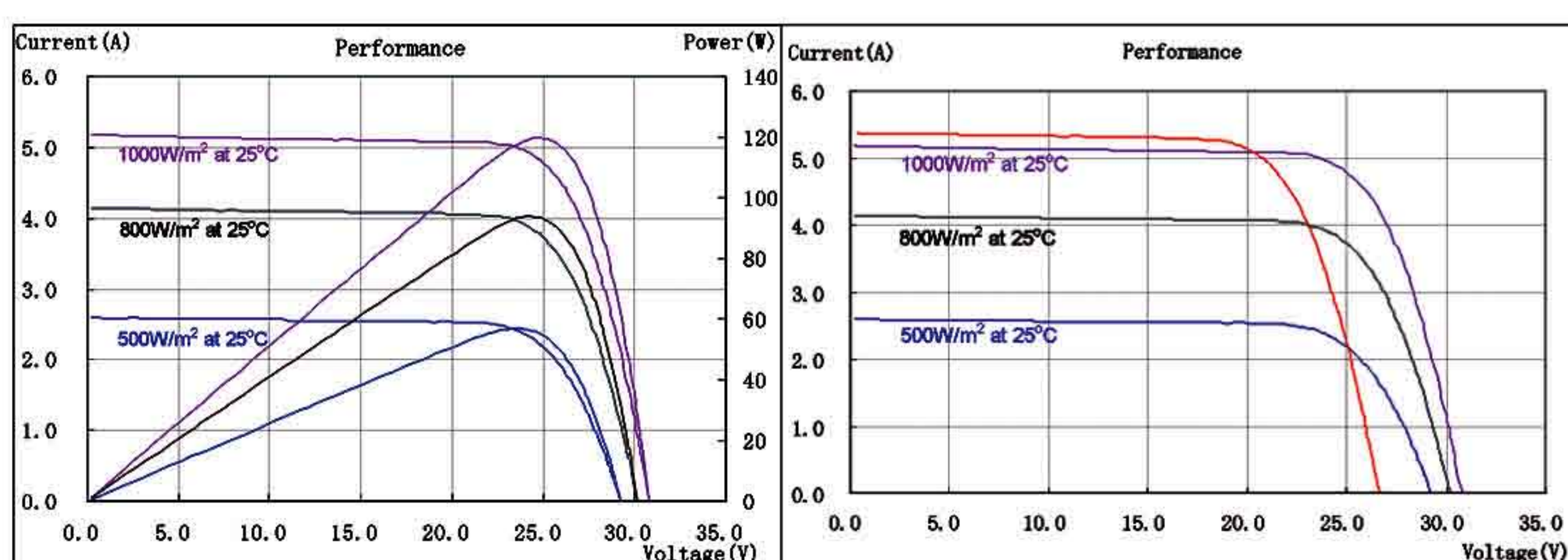


Electrical Performance

Power Output

Electrical Performance

Power Output



TEMPERATURE COEFFICIENTS: Isc = +0.065 %oC , Voc = -0.436 %oC , Pmax = +0.488 %oC

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