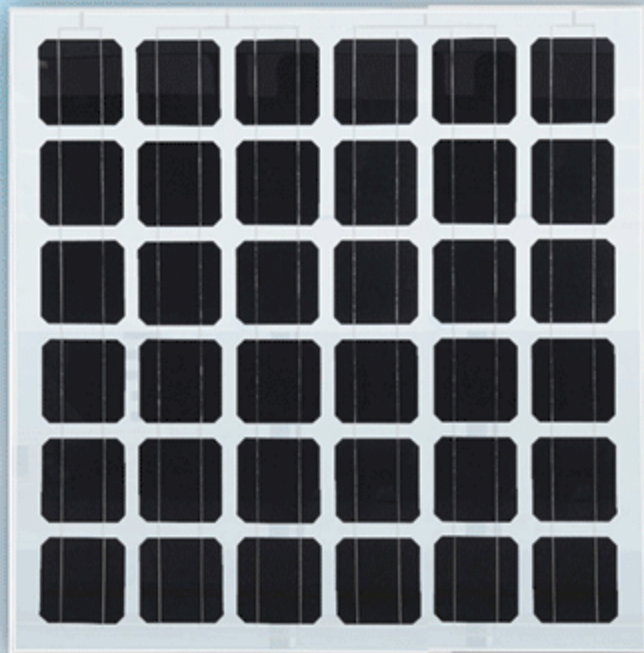
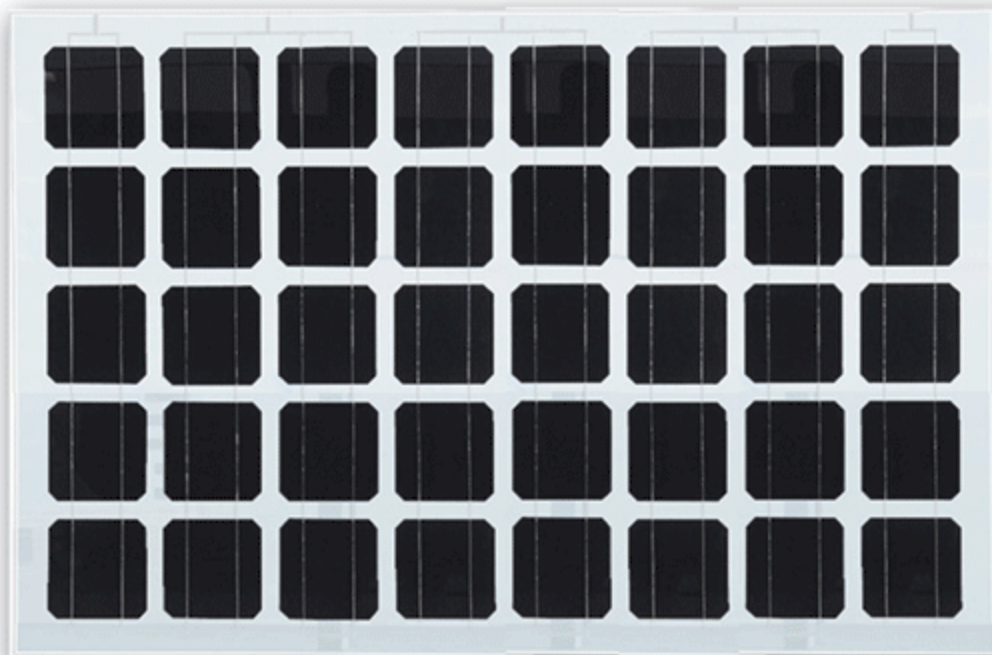


BIPV- Double Glazing Modules



EL-36/5M90-B (90 Watt)



EL-40/5M100-B (100 Watt)

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

Worldwide Sales Agent



Blue Dragon Trade Limited
Room 2301, 23/F, World-Wide House, 19 Des
Voeux Road, Central, Hong Kong
Tel: +852 2916 8888 Fax: +852 2830 8800
URL: www.bd-trade.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

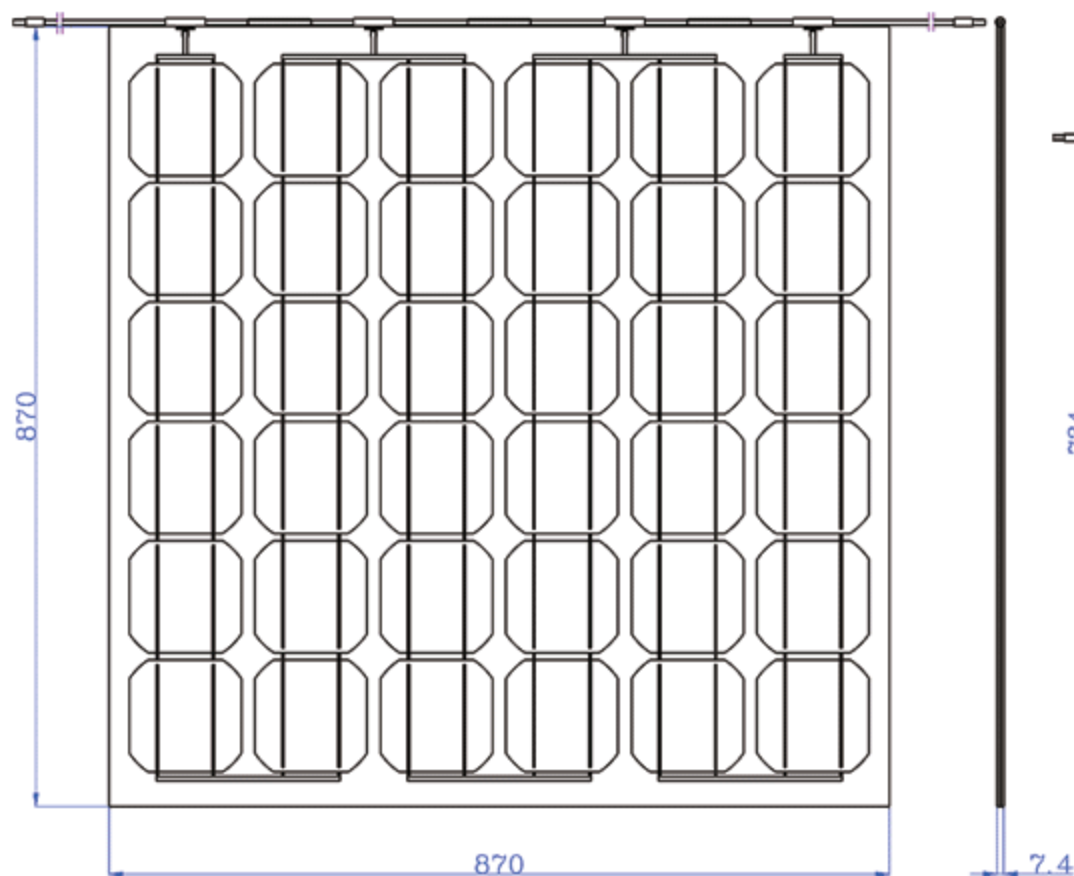
Module Specifications

ELECTRICAL CHARACTERISTICS		
Model	EL-36/5M90-B	EL-40/5M100-B
Maximum power (Pmax)	90 W	100 W
Voltage at max. power (Vmp)	18.6 V	20.8 V
Current at max. power (Imp)	4.81 A	4.82 A
Open circuit voltage (Voc)	22.6 V	25.7 V
Short circuit current (Isc)	5.3 A	5.3 A
Temperature coefficient of Isc	0.065%/°C	
Temperature coefficient of Voc	-160mV/°C	
Temperature coefficient of power	-0.45%/°C	
Peak Power per Unit Area	119 W/m ²	118 W/m ²
CEC PTC Rating	80 W	88 W

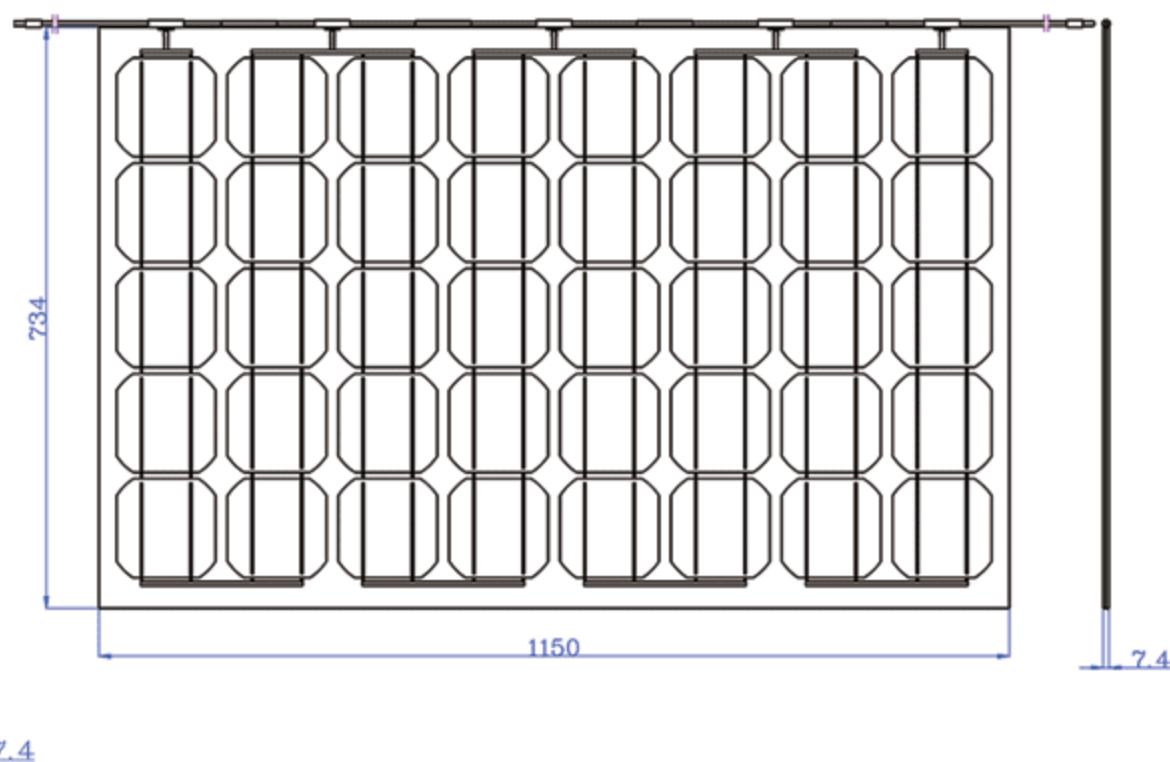
MECHANICAL CHARACTERISTICS		
Solar Cells	36×monocrystalline 125×125	40×monocrystalline 125×125
Dimensions	870 × 870 mm	1150 × 734 mm
Weight	14Kg	14.5Kg
Matrix	6×6	5×8
Solar glass	3.2 mm	3.2 mm
Thickness	7.4 mm	7.4 mm

Module Diagram

EL-36/5M-B



EL-40/5M-B

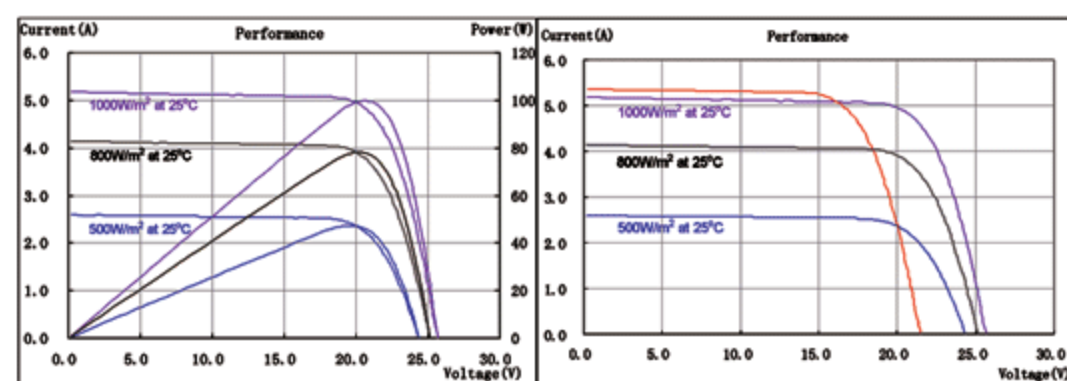
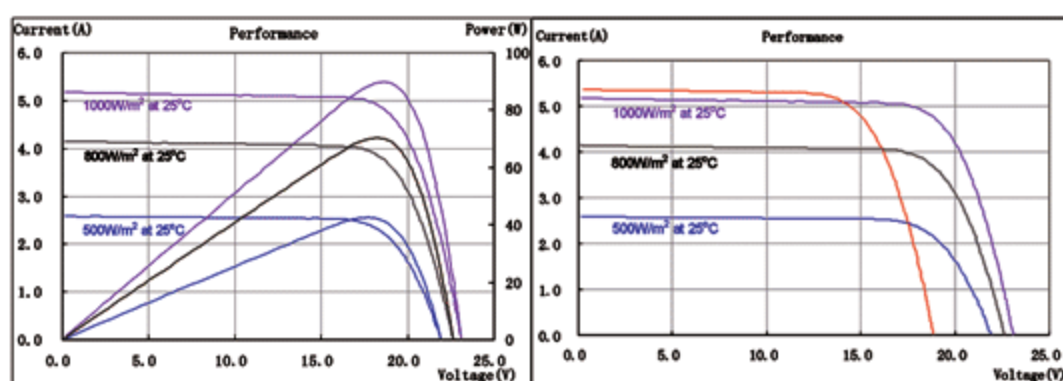


Electrical Performance

Power Output

Electrical Performance

Power Output



TEMPERATURE COEFFICIENTS: Isc = +0.065%/°C, Voc = -0.436%/°C, Pmax = +0.488%/°C

Note: Due to continuous innovation, research and production improvement, design and specifications are subject to change without notice. No rights can be derived from this product information sheet and Everlight assumes no liability whatsoever connected to or resulting from the use of any information contained herein. Kindly contact Everlight to obtain the latest product manuals before using.