

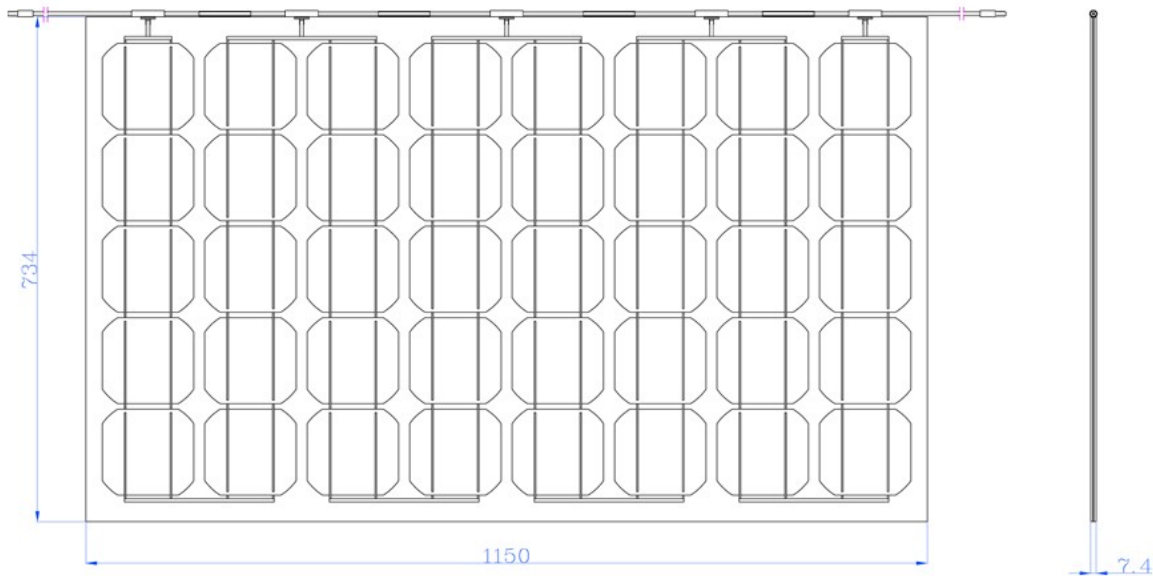
# EL-40-5M-B (100W)

Building Integrated Photovoltaic (BIPV) is the integration of photovoltaic (PV) into the building envelope. The PV modules serve the dual function of building skin—replacing conventional building envelope materials—and power generator.

### Features:

- High Power module using high efficient solar cells.
- Cell conversion efficiency > 15%.
- 36 to 108 solar cells and connection in series
- DC 12V system.
- Using optical low iron tempered glass, EVA resin.
- Customer-made choices

### Dimensions



### Electrical Data

Measured at STC: Irradiance of 1000/m <sup>2</sup> , Air mass 1.5g, and cell temperature 25°C		
Peak Power (+/-3%)	P <sub>max</sub>	100 W
Rated Voltage	V <sub>mp</sub>	20.8 V
Rated Current	I <sub>mp</sub>	4.82 A
Open Circuit Voltage	V <sub>oc</sub>	25.7 V
Short Circuit Current	I <sub>sc</sub>	5.3 A
Maximum System Voltage	IEC, UL	1000 V
Temperature Coefficients		
Power		-0.45%/°C
Voltage	V <sub>oc</sub>	-160mV/°C
Current	I <sub>sc</sub>	0.065%/°C
Series Fuse Rating		10 A
Peak Power per Unit Area		118 W/m <sup>2</sup>
CEC PTC Rating		88 W

### Mechanical Data

Solar Cells	40×monocrystalline 125×125 mm
Length	1150 mm
Width	734 mm
Weight	14.5Kg
Matrix	5×8
Solar glass	3.2 mm
Thickness	7.4 mm

Note : Design & specifications are subject to change without notice. Kindly contact Everlight to obtain the latest product manuals before using. 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.