

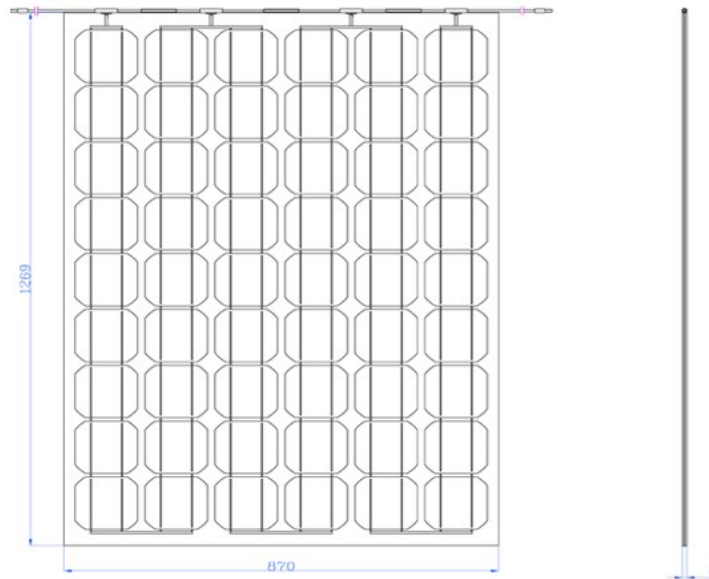
EL-54-5M-B (135W)

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 ² , Air mass 1.5g, and cell temperature 25°C		
Peak Power (+/-3%)	P _{max}	135 W
Rated Voltage	V _{mp}	28.0 V
Rated Current	I _{mp}	4.82 A
Open Circuit Voltage	V _{oc}	34.6 V
Short Circuit Current	I _{sc}	5.3 A
Maximum System Voltage	IEC, UL	1000 V
Temperature Coefficients		
Power		-0.45%/°C
Voltage	V _{oc}	-160mV/°C
Current	I _{sc}	0.065%/°C
Series Fuse Rating		10 A
Peak Power per Unit Area		122 W/m ²
CEC PTC Rating		120 W

Mechanical Data

Solar Cells	54×monocrystalline 125×125 mm
Length	1269 mm
Width	870 mm
Weight	23Kg
Matrix	6×9
Solar glass	4.0 mm
Thickness	9.0 mm

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