









SOLAR MODULE EGE-120M-36 MONOCRYSTALLINE MODULE

120 W / 36 Cells / 5 Bus bars



Eco Green Energy's modules are only made of grade A solar cells with a very high efficiency and ensured more than 25 years lifespan.

KEY FEATURES

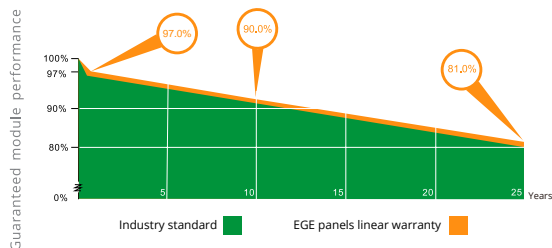
-  5 bus bars cells, with efficiency up to 22.8 %
-  IP 67
IP67 junction box for long term weather endurance
-  2400 Pa
5400 Pa
High quality aluminum frame, resisting load up to 5400 Pa and wind pressure up to 2400 Pa
-  High transmissivity, low-iron tempered glass
-  LOW LIGHT
High performance in low-light environment
-  2
E L
Double EL test before and after lamination



CERTIFICATES

IEC 61215 / IEC 61730 / IEC 61701 / CE / ISO 9001:2015 / PV CYCLE

LINEAR PERFORMANCE WARRANTY

12-Year Product Warranty · 25-Year Linear Power Warranty



-  **25 YEARS**
OUTPUT POWER WARRANTY
-  **12 YEARS**
PRODUCT WARRANTY

ELECTRICAL DATA AT STC*

Power output (Pmax)	120 W
Power tolerance	0~+3 %
Module efficiency	17.65 %
Maximum power voltage (Vmp)	19.14 V
Maximum power current (Imp)	6.27 A
Open circuit voltage (Voc)	23.43 V
Short circuit current (Isc)	6.66 A

*Standard Test Conditions: Irradiance: 1 000 W / m² •
Cell temperature: 25°C • AM: 1.5

ELECTRICAL DATA AT NOCT*

Power output (Pmax)	89.48 W
Maximum power voltage (Vmp)	17.95 V
Maximum power current (Imp)	4.98 A
Open circuit voltage (Voc)	21.73 V
Short circuit current (Isc)	5.42 A

*Nominal Operating Cell Temperature: Irradiance: 800 W / m² •
Ambiant temperature: 20°C • AM: 1.5 • Wind speed: 1 m/s

TEMPERATURE CHARACTERISTICS

NOCT	45 °C ±2 °C
Temperature coefficient of Pmax	-0.41%/°C
Temperature coefficient of Voc	-0.31%/°C
Temperature coefficient of Isc	+0.06%/°C

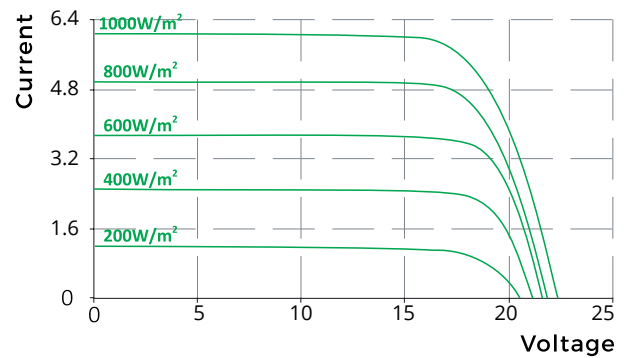
MAXIMUM RATINGS

Operating temperature range	-45 °C ~+85 °C
Maximum system voltage	1500 V
Max series fuse rating	20 A
Max front load (e.g.: snow)	5400 Pa
Max back load (e.g.: wind)	2400 Pa

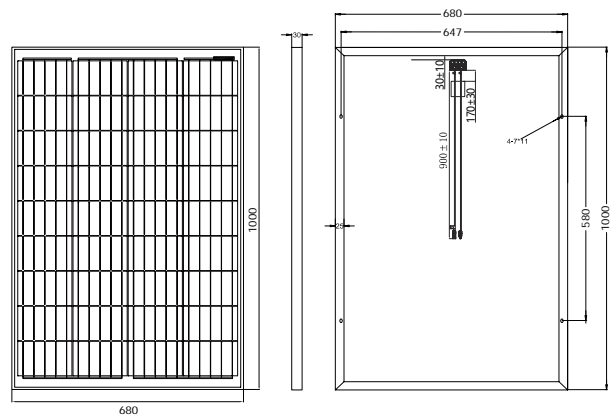
MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (158.75x104 mm)
Number of cells	36
Dimensions	1000x680x30mm
Weight	7.6 kg
Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP67
Cable	0.9 m
Connector	MC4 or MC4 compatible

I-V CURVES



ENGINEERING DRAWINGS (mm)



PACKAGING

Type	Pcs/ Type	Weight
Per Box	2 pcs	16.2 kg
20ft GP Container	1078 pcs	8.7 t
40ft GP Container	2304 pcs	18.7 t
40ft HQ Container	2549 pcs	20.6 t