

SOLAR MODULE EGE-100P-36 POLYCRYSTALLINE MODULE

100 W / 36 Cells / 5 Bus bars

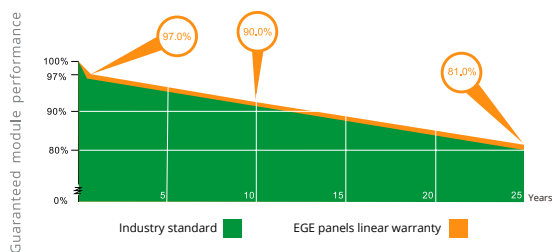


CERTIFICATES

IEC 61215 / IEC 61730 / CE
ISO 9001:2015

LINEAR PERFORMANCE WARRANTY

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



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.

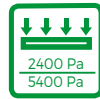
KEY FEATURES



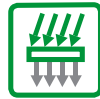
5 bus bars cells, with efficiency up to 21 %



IP67 junction box for long term weather endurance



High quality aluminum frame, resisting load up to 5400 Pa and wind pressure up to 2400 Pa



High transmissivity, low-iron tempered glass



High performance in low-light environment



Double EL test before and after lamination



OUTPUT POWER WARRANTY



PRODUCT WARRANTY

ELECTRICAL DATA AT STC*

Power output (Pmax)	100 W
Power tolerance	0~+3 %
Module efficiency	15.16 %
Maximum power voltage (Vmp)	18.46 V
Maximum power current (Imp)	5.42 A
Open circuit voltage (Voc)	22.66 V
Short circuit current (Isc)	5.82 A

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

ELECTRICAL DATA AT NOCT*

Power output (Pmax)	73.98 W
Maximum power voltage (Vmp)	17.05 V
Maximum power current (Imp)	4.33 A
Open circuit voltage (Voc)	21.03 V
Short circuit current (Isc)	4.71A

*Nominal Operating Cell Temperature: Irradiance: 800 W / m²
Ambient 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

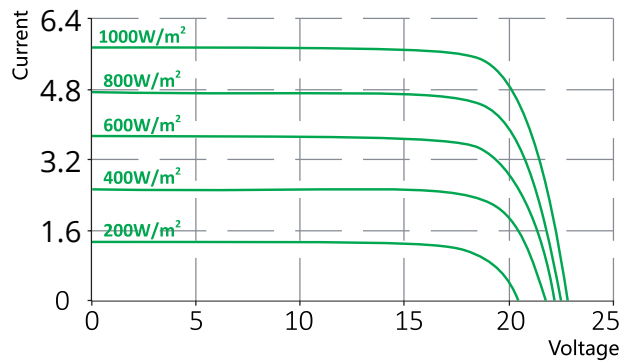
MAXIMUM RATINGS

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

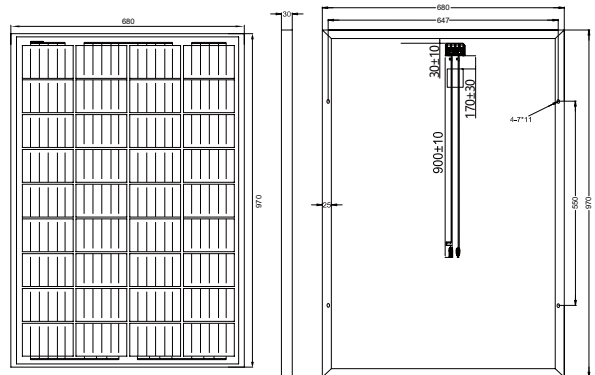
MECHANICAL CHARACTERISTICS

Cell type	Polycrystalline (156.75x100 mm)
Number of cells	36
Dimensions	970×680×30mm
Weight	7.4 kg
Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP67
Cable	0.9 m
Connector	MC4 or MC4 compatible

CURVES



ENGINEERING DRAWINGS (mm)



PACKAGING

Type	Pcs/ Type	Weight
Per Box	2 pcs	16 kg
20ft GP Container	1112 pcs	8.8 t
40ft GP Container	2375 pcs	18.8 t
40ft HQ Container	2628 pcs	20.8 t