







SOLAR MODULE EGE-100-105P-36 POLYCRYSTALLINE MODULE 100-105 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

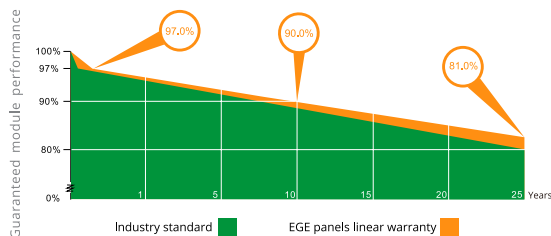
-  5 bus bars cells, with efficiency up to 21 %
-  IP65 junction box for long term weather endurance
-  High quality aluminum frame, resisting load up to 5400 Pa and wind pressure up to 2400 Pa
-  High transmissivity, low-iron tempered glass
-  High performance in low-light environment
-  Double EL test before and after lamination

CERTIFICATES

IEC 61215 / IEC 61730 / CE
ISO 9001:2015

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)	100 W	105 W
Power tolerance	0~+3 %	0~+3 %
Module efficiency	14.63 %	15.36 %
Maximum power voltage (Vmp)	18.41 V	18.92 V
Maximum power current (Imp)	5.43 A	5.55 A
Open circuit voltage (Voc)	22.41 V	23.32 V
Short circuit current (Isc)	5.89 A	5.92 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	77.68 W
Maximum power voltage (Vmp)	17.00 V	17.48 V
Maximum power current (Imp)	4.35 A	4.44 A
Open circuit voltage (Voc)	20.80 V	21.65 V
Short circuit current (Isc)	4.78 A	4.81 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

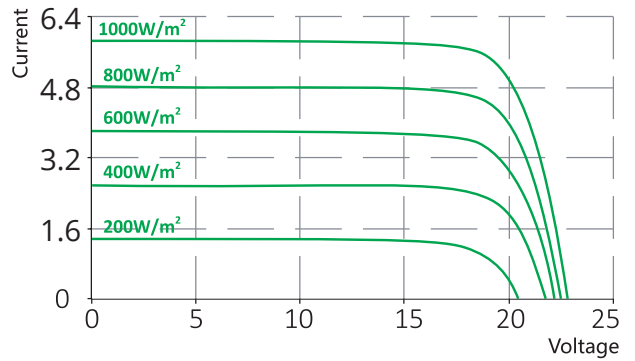
MAXIMUM RATINGS

Operating temperature range	-45 °C ~+85 °C
Maximum system voltage	1500 V
Max series fuse rating	15 A
Max front load (e.g.: snow)	5 400 Pa
Max back load (e.g.: wind)	2 400 Pa

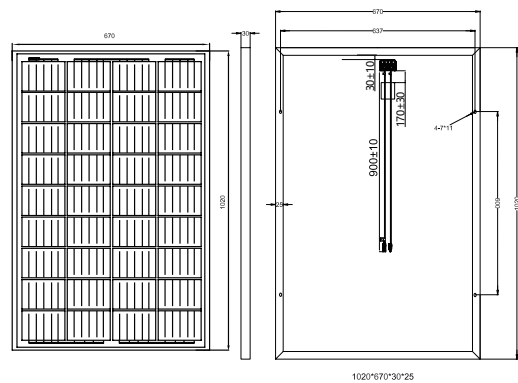
MECHANICAL CHARACTERISTICS

Cell type	Polycrystalline (156.75x104 mm)
Number of cells	36
Dimensions	1020x670x30mm
Weight	7.7 kg
Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP65
Cable	0.9 m
Connector	MC4 or MC4 compatible

I-V CURVES



ENGINEERING DRAWINGS (mm)



PACKAGING

Type	Pcs/ Type	Weight
Per pallet	35 pcs	299.5 kg
20ft GP Container	990 pcs	8.5 t
40ft GP Container	2150 pcs	18.4 t
40ft HQ Container	2500 pcs	21.4 t