



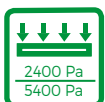



# SOLAR MODULE EGE-55M-36 MONOCRYSTALLINE MODULE

55 W / 36 Cells / 5 Busbars cells



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

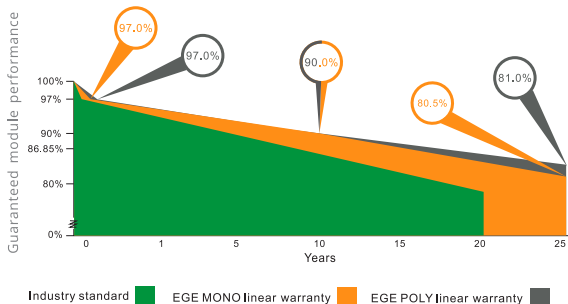
-  5 bus bars cells, with efficiency up to 22.8 %
-  IP65 junction box for long term weather endurance
-  High quality aluminum frame, resisting load up to 5400 Pa and wind pressure up to 2400 Pa
-  High transmissivity, low-iron tempered glass
-  High performance in low-light environment
-  Double EL 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)	55 W
Power tolerance	0~+3 %
Module efficiency	15.20 %
Maximum power voltage (Vmp)	19.57 V
Maximum power current (Imp)	2.81 A
Open circuit voltage (Voc)	23.43 V
Short circuit current (Isc)	3.00 A

\*Standard Test Conditions: Irradiance: 1 000 W / m<sup>2</sup>  
Cell temperature: 25 °C • AM: 1.5

## ELECTRICAL DATA AT NOCT\*

Power output (Pmax)	41.01 W
Maximum power voltage (Vmp)	18.35 V
Maximum power current (Imp)	2.23 A
Open circuit voltage (Voc)	21.73 V
Short circuit current (Isc)	2.44 A

\*Nominal Operating Cell Temperature: Irradiance: 800 W / m<sup>2</sup>  
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

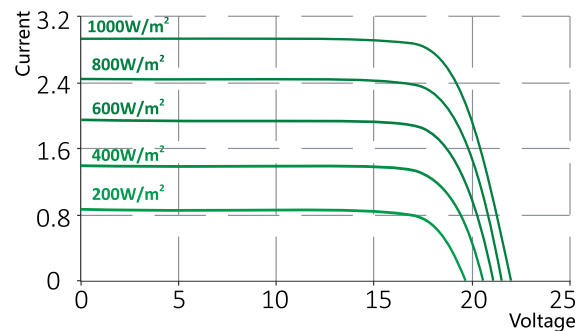
## MAXIMUM RATINGS

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

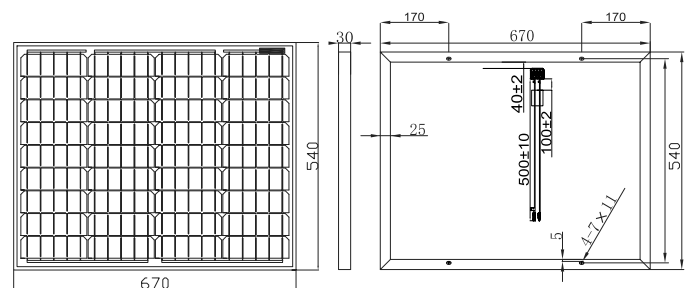
## MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (156x52 mm)
Number of cells	36
Dimensions	540x670x30mm
Weight	4.5 kg
Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP65
Cable	0.5 m
Connector	MC4 or MC4 compatible

## EGE-55M-36 / I-V CURVES



## ENGINEERING DRAWINGS (mm)



## PACKAGING

Type	Pcs/ Type	Weight
Per Box	2 pcs	9.5 kg
20ft GP Container	1800 pcs	8.6 t
40ft GP Container	4000 pcs	19.0 t
40ft HQ Container	4600 pcs	21.9 t