

SOLAR MODULE EGE-380-390M-72-PERC MONOCRYSTALLINE MODULE 380-390 W / 72 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.

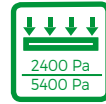
KEY FEATURES



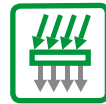
5 bus bars cells, with efficiency up to 22.8 %



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



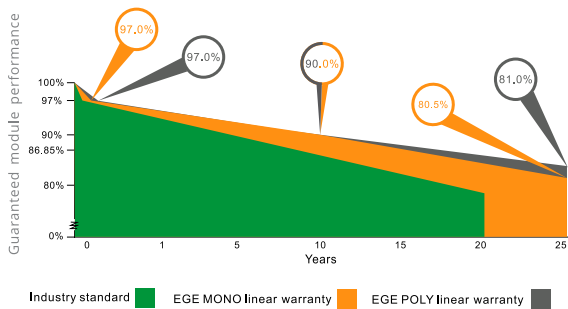
25 YEARS OUTPUT POWER WARRANTY



12 YEARS PRODUCT WARRANTY

LINEAR PERFORMANCE WARRANTY

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



ELECTRICAL DATA AT STC*

Power output (Pmax)	380 W	385 W	390 W
Power tolerance	0~+5 W	0~+5 W	0~+5 W
Module efficiency	19.58 %	19.84 %	20.10 %
Maximum power voltage (Vmp)	40.07 V	40.47 V	40.40 V
Maximum power current (Imp)	9.48 A	9.51 A	9.65 A
Open circuit voltage (Voc)	47.98 V	48.39 V	48.63 V
Short circuit current (Isc)	9.85 A	9.89 A	10.01 A

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

ELECTRICAL DATA AT NOCT*

Power output (Pmax)	283.34 W	287.07 W	290.79 W
Maximum power voltage (Vmp)	37.56 V	37.94 V	37.87 V
Maximum power current (Imp)	7.53 A	7.56 A	7.67 A
Open circuit voltage (Voc)	44.50 V	44.88 V	45.1 V
Short circuit current (Isc)	8.01 A	8.04 A	8.14 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	-0.396%/°C
Temperature coefficient of Voc	-0.31%/°C
Temperature coefficient of Isc	+0.06%/°C

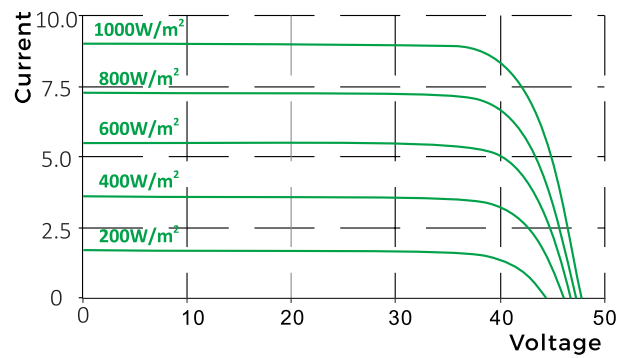
MAXIMUM RATINGS

Operating temperature range	-45 °C ~+85 °C
Maximum system voltage	1500 V
Max series fuse rating	15 A
Max front load (e.g.: snow)	5400 Pa
Max back load (e.g.: wind)	2400 Pa

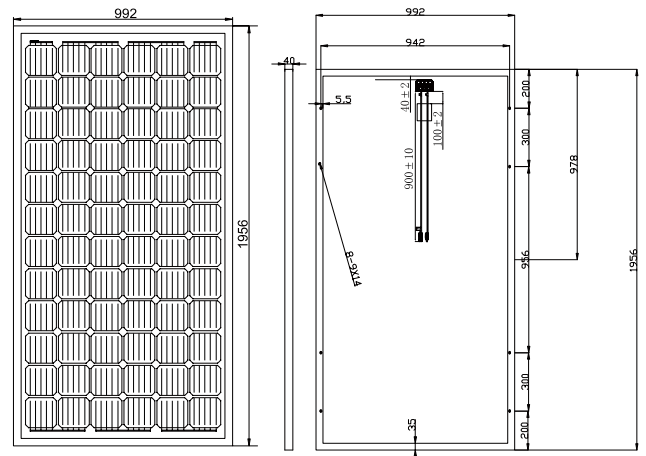
MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (156x156 mm)
Number of cells	72
Dimensions	1956x992x40mm
Weight	22.8 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 Palet	26 pcs	605.8 kg
20ft GP Container	300 pcs	6.99 t
40ft GP Container	624 pcs	14.54 t
40ft HQ Container	696 pcs	16.21 t