

SOLAR MODULE EGE-165-195M-36 MONOCRYSTALLINE MODULE

165-195 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.

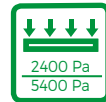
KEY FEATURES



5 bus bars cells, with efficiency up to 22.8 %



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



25 YEARS OUTPUT POWER WARRANTY



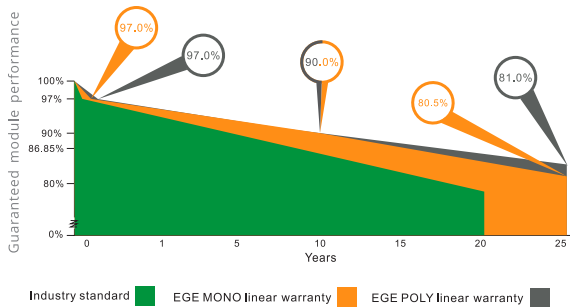
12 YEARS PRODUCT WARRANTY

CERTIFICATES

IEC 61215 / IEC 61730 / CE
ISO 9001:2015

LINEAR PERFORMANCE WARRANTY

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



Industry standard ■ EGE MONO linear warranty ■ EGE POLY linear warranty ■



ELECTRICAL DATA AT STC*

Power output (Pmax)	165 W	170 W	175 W	180 W	185 W	190 W	195 W
Power tolerance	0~+3 %	0~+3 %	0~+3 %	0~+3 %	0~+3 %	0~+3 %	0~+3 %
Module efficiency	16.64 %	17.14 %	17.65 %	18.15 %	18.66 %	19.16 %	19.67 %
Maximum power voltage (Vmp)	19.04 V	19.44 V	19.77 V	19.89 V	19.89 V	20.11 V	20.25 V
Maximum power current (Imp)	8.67 A	8.75 A	8.85 A	9.05 A	9.30 A	9.45 A	9.63 A
Open circuit voltage (Voc)	23.22 A	23.55 A	23.79 A	24.05 A	23.99 A	24.19 A	24.30 A
Short circuit current (Isc)	9.11 A	9.17 A	9.25 A	9.56 A	9.65 A	9.79 A	9.93 A

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

ELECTRICAL DATA AT NOCT*

Power output (Pmax)	123.03 W	126.76 W	130.48 W	134.21 W	137.94 W	141.67 W	145.40 W
Maximum power voltage (Vmp)	17.85 V	18.22 V	18.54 V	18.65 V	18.65 V	18.85 V	18.98 V
Maximum power current (Imp)	6.88 A	6.95 A	7.03 A	7.19 A	7.39 A	7.51 A	7.65 A
Open circuit voltage (Voc)	21.53 V	21.84 V	22.06 V	22.29 V	22.25 V	22.43 V	22.54 A
Short circuit current (Isc)	7.41 A	7.45 A	7.52 A	7.77 A	7.84 A	7.96 A	8.07 A

*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	15 A
Max front load (e.g.: snow)	5 400 Pa
Max back load (e.g.: wind)	2 400 Pa

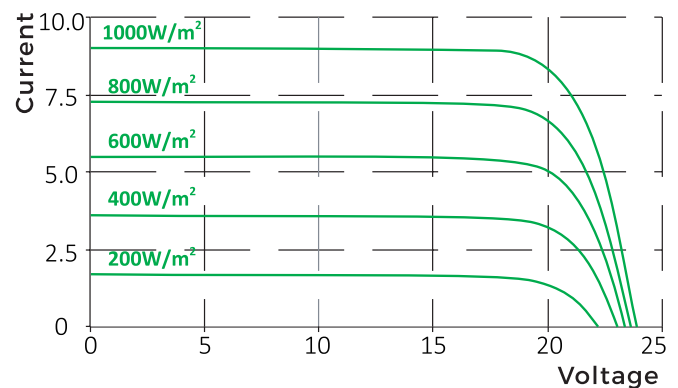
MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (156x156 mm)
Number of cells	36
Dimensions	1480x670x30mm
Weight	11.0 kg
Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP65
Cable	0.9 m
Connector	MC4 or MC4 compatible

PACKAGING

Type	Pcs	Weight
Pallet	35 pcs	415 kg
20ft GP Container	690 pcs	8.2 t
40ft GP Container	1500 pcs	17.8 t
40ft HQ Container	1750 pcs	20.8 t

I-V CURVES



ENGINEERING DRAWINGS (mm)

