

SOLAR MODULE

EGE-375-385M-144-PERC







MONOCRYSTALLINE MODULE

375-385 W / 144 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

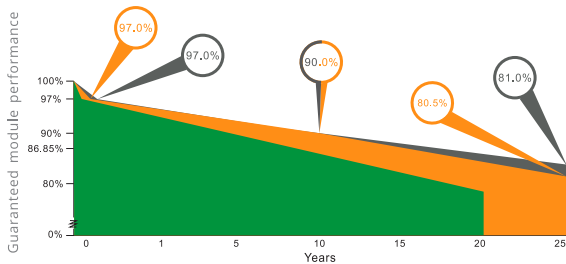
-  5 bus bars cells, with efficiency up to 22.8 %
-  IP67 junction box for long term weather endurance
-  High quality aluminum frame, resisting load up to 5400 Pa and wind pressure up to 2400 Pa
-  High transmissivity, low-iron tempered glass
-  High performance in low-light environment
-  Double EL test before and after lamination

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 ■

-  **25 YEARS** OUTPUT POWER WARRANTY
-  **12 YEARS** PRODUCT WARRANTY



ELECTRICAL DATA AT STC*

Power output (Pmax)	375 W	380 W	385 W
Power tolerance	0~+5 W	0~+5 W	0~+5 W
Module efficiency	18.56 %	18.81 %	19,06 %
Maximum power voltage (Vmp)	40.00 V	40.28 V	40,47 V
Maximum power current (Imp)	9.37 A	9.43 A	9,51 A
Open circuit voltage (Voc)	47.99 V	48.18 V	48,39 V
Short circuit current (Isc)	9.74 A	9.83 A	9,89 A

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

POWER GAIN BIFACIAL IN STC*

10%	Power output (Pmax)	412.5 W	418 W	423.5 W
	Module efficiency	20.42 %	20.69 %	20.97 %
15%	Power output (Pmax)	431.25 W	437 W	442.75 W
	Module efficiency	21.34 %	21.63 %	21.92 %
20%	Power output (Pmax)	450 W	456 W	462 W
	Module efficiency	22.27 %	22.57 %	22.87 %

* Power Gain Bifacial in STC: It depends on installation condition.

ELECTRICAL DATA AT NOCT*

Power output (Pmax)	279.61 W	283.34 W	287,07 W
Maximum power voltage (Vmp)	37.50 V	37.76 V	37,94 V
Maximum power current (Imp)	7.44 A	7.49 A	7,56 A
Open circuit voltage (Voc)	44.51 V	44.68 V	44,88 V
Short circuit current (Isc)	7.92 A	7.99 A	8,04 A

*Nominal Operating Cell Temperature: Irradiance: 800 W / m² • Ambient temperature: 20°C • AM: 1.5 • Wind speed: 1

TEMPERATURE CHARACTERIS-

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)	5 400 Pa
Max back load (e.g.: wind)	2 400 Pa

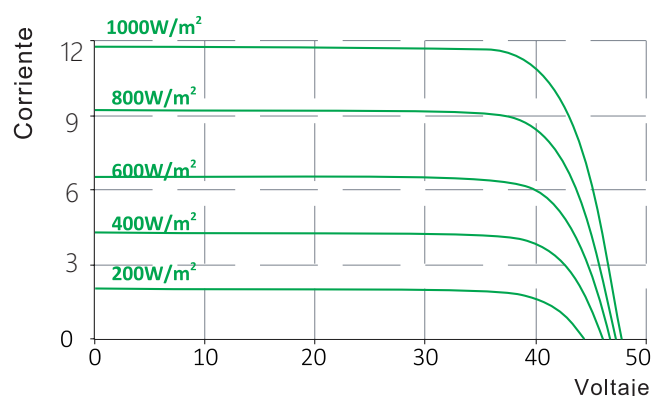
MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline (156.75x78.38mm)
Number of cells	144
Dimensions	2020x1000x25 mm
Weight	25.5 kg
Glass	2.5+2.5 mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP67
Cable	0.15 m
Connector	MC4 or MC4 compatible

PACKAGING

Type	Pcs/ Type	Weight
Per pallet	40 pcs	1060 kg
20ft GP Container	410 pcs	11.1 t
40ft GP Container	880 pcs	23.6 t
40ft HQ Container	924 pcs	24.7 t

I-V CURVES



ENGINEERING DRAWINGS (mm)

