



ECO GREEN ENERGY

EGE-70M-36 MONOCRYSTALLINE PHOTOVOLTAIC MODULE



High efficiency

Cell efficiency of up to 20.0 %.



Severe weather

IP65 junction box for long term weather endurance.



Quality frame

High quality aluminum frame, resisting load up to 5400 Pa and wind pressure up to 2400 Pa.



Quality glass

High transmissivity, low-iron tempered glass.



10
Years

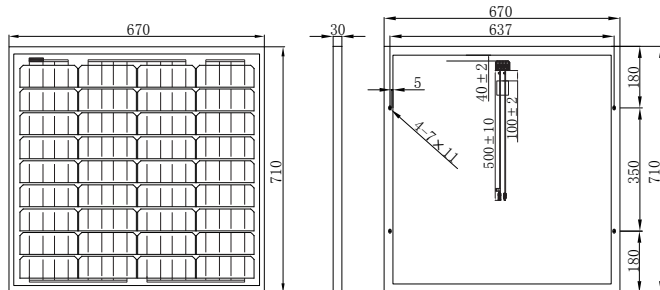
Product warranty



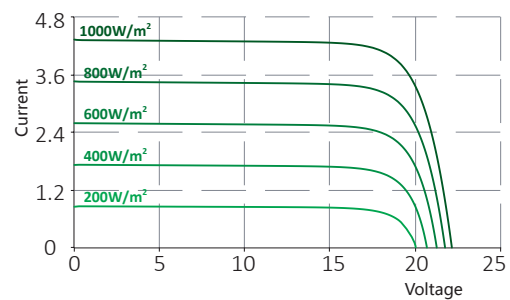
25
Years

Output power warranty

Engineering drawings



IV curves



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

Electrical characteristics at STC*

General characteristics

Power output (Pmax)	70 W
Power output tolerance	0~3 %
Panel efficiency	14.72 %
Maximum power voltage (Vmp)	18.65 V
Maximum power current (Imp)	3.75 A
Open circuit voltage (Voc)	22.83 V
Short circuit current (Isc)	4.05 A
*Standard test conditions: irradiance: 1000 W/m² • cell temperature: 25 °C • AM: 1.5	

Cell type	Monocrystalline (156×70 mm)
Number of cells	36
Dimensions	710×670×30 mm
Weight	5.9 kg
Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP65
Cable	0.5 m
Connector	MC4 or MC4 compatible

Electrical characteristics at NOCT*

Packaging

Power output (Pmax)	52 W
Maximum power voltage (Vmp)	17.48 V
Maximum power current (Imp)	2.98 A
Open circuit voltage (Voc)	21.17 V
Short circuit current (Isc)	3.29 A
*Nominal operating cell temperature: irradiance: 800 W/m² • ambient temperature: 20 °C • AM: 1.5 • wind speed: 1 m/s	

Per box	2 pcs
Per 20ft GP container	1400 pcs
Per 40ft GP container	2900 pcs
Per 40ft HQ container	3400 pcs

Operating conditions

Certification

Operating temperature range	-45 °C ~ +85 °C
Max system voltage	1000 V
Max series fuse rating	10 A
Max front load (ex: snow)	5400 Pa
Max back load (ex: wind)	2400 Pa

