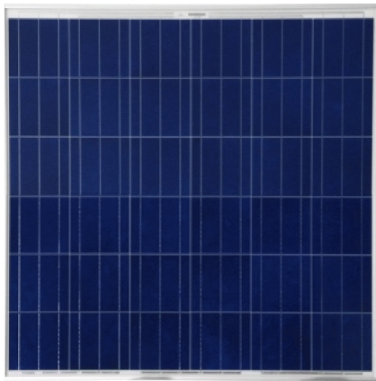


Solar Photovoltaic Modules

EGS125 to EGS155



Complies with:

IEC 61215:2005 Ed. 2 Crystalline silicon terrestrial photovoltaic modules – Design qualification and type approval.

IEC 61730-1 and IEC 61730-2 Safety Class II, Application Class A (Photovoltaic module safety qualification, requirements for construction, testing and fire rating class C)

IEC 61701: Salt Mist Corrosion Testing

Heavy Mechanical load & Snow Load @ 5400 Pascal.

Manufactured by ISO 9001:2008 Certified Company

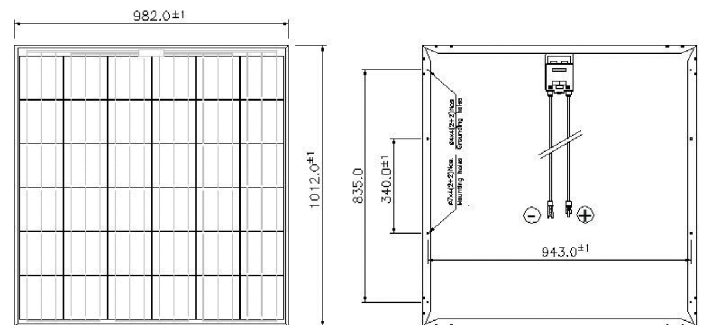
Electrical Characteristics at Standard Test Conditions (STC)

Model	EGS125	EGS130	EGS135	EGS140	EGS145	EGS150	EGS155
Watt at Max. Power (Pmax)	125Wp	130Wp	135Wp	140Wp	145Wp	150Wp	155Wp
Open Circuit Voltage (Voc)	22.0V	22.10V	22.30V	22.30V	22.50V	22.50V	22.50V
Short Circuit Current (Isc)	7.59A	7.80A	8.02A	8.26A	8.56A	8.80A	9.10A
Voltage at Max. Power Point (Vmpp)	17.50V	17.70V	17.9V	18.00V	18.00V	18.10V	18.10V
Current at Max. Power Point (Impp)	7.15A	7.35A	7.55A	7.78A	8.06A	8.29A	8.57A
Module Efficiency	12.58%	13.08%	13.58%	14.09%	14.59%	15.09%	15.60%
Tolerance of Pmax	± 3%						
Maximum System Voltage	1000 VDC						
Series Fuse Rating	15A						

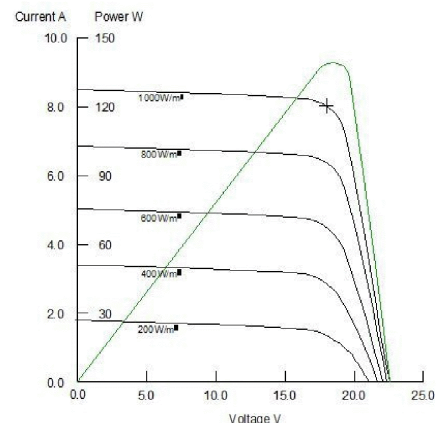
Pmax, Voc, Isc, Vmp and Imp tested at STC defined as irradiance of 1000W/m² at AM 1.5 solar spectrum and temperature 25°C.

Mechanical Characteristics

Dimensions	1012mm x 982mm x 40mm
Module area	0.994 m ²
Weight	14.0kg
Frame	Aluminum Alloy
Front	Tempered Glass
Encapsulate	EVA
Back cover	Polyester Back Sheet
Cell Technology	Polycrystalline
Cell Size	156mm x 156mm
Number of Cells	36 (6 x 6)
Junction Box	Protection Class IP65 with 3 Bypass-Diodes



Typical Characteristics at Different Irradiance Levels



Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	44.77°C
Temperature Coefficient of αIsc	0.0563 %/ °C
Temperature Coefficient of βVoc	-0.3058 %/ °C
Temperature Coefficient of γPmax	-0.4054 %/ °C

Packing Configuration

Container	20'	40'
Pieces Per Pallet	24	24/20
Pallets Per Container	20	(40*24pcs) + (4*20pcs)
Pieces Per Container	480	1040

Warranty

- 25 years limited warranty on power output & 5 years product warranty
- 12 years: 90% minimum performance, 25 years: 80% minimum performance.