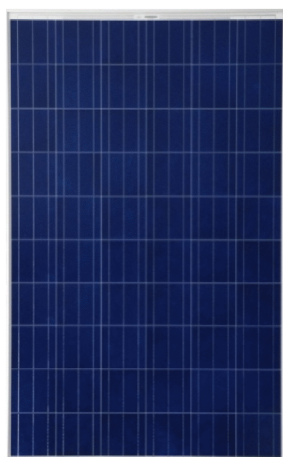


# Solar Photovoltaic Modules

## EGS215 to EGS260



### 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

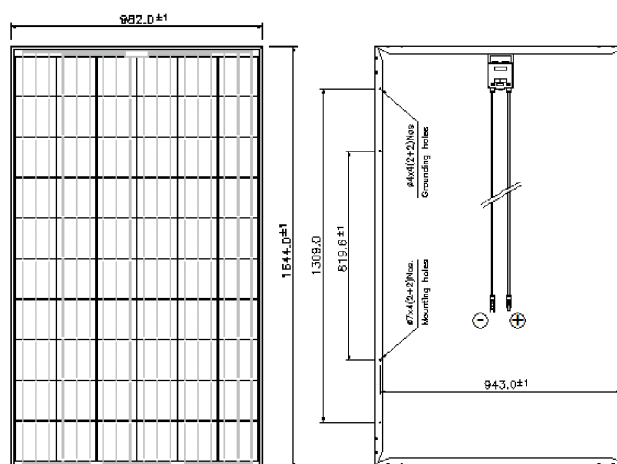
### Electrical Characteristics at Standard Test Conditions (STC)

Model	EGS215	EGS220	EGS225	EGS230	EGS235	EGS240	EGS245	EGS250	EGS255	EGS260
Watt at Max. Power (Pmax)	215Wp	220Wp	225Wp	230Wp	235Wp	240Wp	245Wp	250Wp	255Wp	260Wp
Open Circuit Voltage (Voc)	36.70V	36.70V	36.70V	36.70V	36.90V	36.90V	36.90V	37.10V	37.10V	37.10V
Short Circuit Current (Isc)	7.65A	7.82A	8.10A	8.19A	8.33A	8.51A	8.68A	8.84A	9.01A	9.18A
Voltage at Max. Power Point (Vmpp)	29.90V	29.90V	29.90V	29.90V	30.00V	30.00V	30.00V	30.10V	30.10V	30.10V
Current at Max. Power Point (Impp)	7.20A	7.36A	7.53A	7.70A	7.84A	8.00A	8.17A	8.31A	8.48A	8.64A
Module Efficiency	13.32%	13.63%	13.94%	14.25%	14.56%	14.87%	15.18%	15.49%	15.80%	16.10%
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/m<sup>2</sup> at AM 1.5 solar spectrum and temperature 25°C.

### Mechanical Characteristics

Dimensions	1644mm x 982mm x 40mm
Module area	1.614 m <sup>2</sup>
Weight	22.3kg
Frame	Aluminum Alloy
Front	Tempered Glass
Encapsulate	EVA
Back cover	Polyester Back Sheet
Cell Technology	Polycrystalline
Cell Size	156mm x 156mm
Number of Cells	60 (6 x 10)
Junction Box	Protection Class IP65 with 3 Bypass-Diodes



### Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	44.77°C
Temperature Coefficient of α <sub>Isc</sub>	0.0563 %/ °C
Temperature Coefficient of β <sub>Voc</sub>	-0.3058 %/ °C
Temperature Coefficient of γ <sub>Pmax</sub>	-0.4054 %/ °C

### Packing Configuration

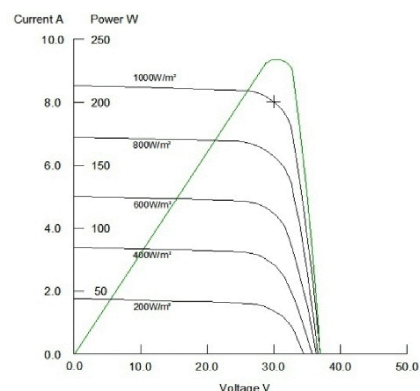
Container	20'	40'
Pieces Per Pallet	24	24
Pallets Per Container	12	26
Pieces Per Container	288	624

### Warranty

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

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### Typical Characteristics at Different Irradiance Levels



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