

**MOREPOWER**

**+3% Positive Tolerance**

Positive tolerance on label rating power provides higher kWh for money invested.

**ARC Glass**

Low iron, anti reflective coated glass gives 2% Energy gain.

**Cell&Module Matching**

Matching gives 2% additional power gain measured at STC conditions.

**Independent Performance Verification**

Independently verified by Photon and Öko-Test as amongst the best kWh/kWp output worldwide.

**100% Electro Luminescence**

EL screening provides defect free modules.

**Accredited ammonia/salt mist resistance**

Long life in marine and high pollution environments.

**International Bankability**

Pre-approved with financial institutions and rapid capability ensures customers' cost of project is reduced.

**ISO9001  
ISO14001  
OHSAS18001**

Audited controls for high value consistency.

**FOR LONGER**

**True Linear Warranty 25 years**

Highest power warranty coverage available on a linear basis.

**Workmanship Warranty 12 years**

12 years global workmanship warranty.

**Strength 5400Pa**

Industry leading snow loading capacity.

**Degradation Resistance**

Superior resistance to PID.

**Low Carbon Footprint**

One of the lowest carbon footprints over 100 years life cycle.

**Green Credentials**

Fully committed to recycling during production and end of product life, a dedicated member of PV cycle.

**Eco Friendly Packaging**

Friendly materials choice with high density packing.

**ISO14001 ISO 18001**

Continuous improvement in reducing environmental impact.



**MUCH SAFER**

**AND GREENER**

ISO9001  
ISO14001  
OHSAS18001



### Electrical Data (STC)

Module Type	ECO-270P	ECO-275P	ECO-280P	ECO-285P
Maximum Power at STC - $P_{mp}$ (W)	270	275	280	285
Open Circuit Voltage - $V_{oc}$ (V)	37.90	38.10	38.20	38.30
Short Circuit Current - $I_{sc}$ (A)	9.22	9.32	9.40	9.49
Maximum Power Voltage - $V_{mp}$ (V)	30.90	31.10	31.40	31.60
Maximum Power Current - $I_{mp}$ (A)	8.73	8.84	8.92	9.02
Module Efficiency STC- $\eta_m$ (%)	16.50	16.80	17.10	17.40

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5

Power measurement tolerance: +3%

### Electrical Data (NOCT)

Module Type	ECO-270P	ECO-275P	ECO-280P	ECO-285P
Maximum Power at STC - $P_{mp}$ (W)	200	204	207	211
Open Circuit Voltage - $V_{oc}$ (V)	35.50	35.60	35.80	36.00
Short Circuit Current - $I_{sc}$ (A)	7.41	7.47	7.55	7.63
Maximum Power Voltage - $V_{mp}$ (V)	28.70	29.00	29.20	29.40
Maximum Power Current - $I_{mp}$ (A)	6.97	7.03	7.10	7.17

NOCT: Irradiance 800 W/m<sup>2</sup> ambient temperature 20°C wind speed :1m/s

Power measurement tolerance: +3%

### Maximum Ratings

Maximum System Voltage (V)	1000 DC/1500 DC
Maximum Series Fuse Rating (A)	15

### Temperature Ratings

Pmax Temperature Coefficient	-0.41 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.050 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	44±2 °C

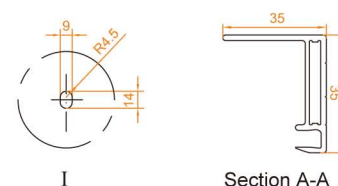
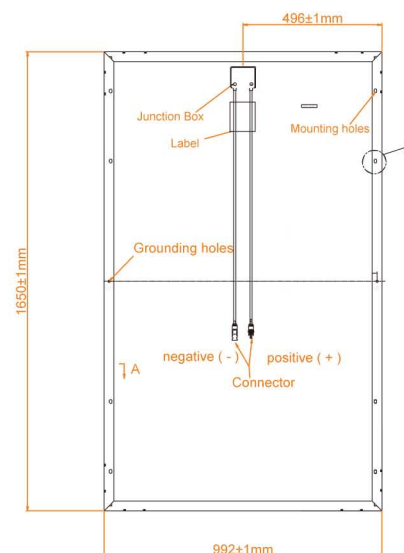
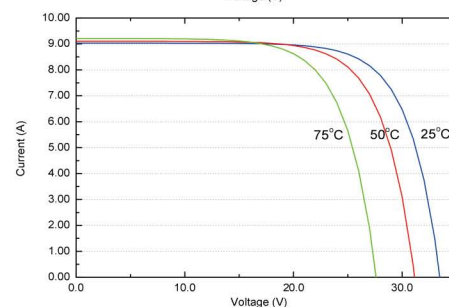
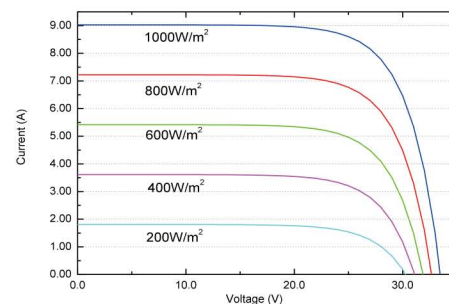
### Mechanical Data

External Dimensions	1650 x 992 x 35 mm
Weight	18 kg
Solar Cells	Poly crystalline 156.75 x 156.75 mm (60pcs)
Front Glass	3.2 mm tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP65/IP67
Output Cables	4.0 mm <sup>2</sup> , cable length: 900 mm
Connector	MC4 Compatible
Mechanical Load	5400 Pa

### Packing Configuration

Container	40'HG
Pieces per Pallet	30
Pallets per Container	28
Pieces per Container	840

### I-V&P-V Curve (ECO-280P)



\* All Dimensions in mm