

**For a Free Quote:**

**Web: [EnergyPal.com/solar](http://EnergyPal.com/solar)**

**Call: 1-800-990-3725**

**Email: [contact@energypal.com](mailto:contact@energypal.com)**

# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**SP Enerji  
SP 265- 275P60  
SP-270P60**

Also available on the web at  
[EnergyPal.com/sp-enerji-solar-panels/sp-270p60](http://EnergyPal.com/sp-enerji-solar-panels/sp-270p60)



# Solar And Renewable Power System



## Solar Power

### 260 W - 285 W

Multi-Crystalline Photovoltaic Module



Positive power tolerance  
0~+4.99 watt



Withstand strong front  
load 5400 Pa / rear Load 2400 Pa



100% EL inline inspection  
Better module reliability



Ammonia resistance



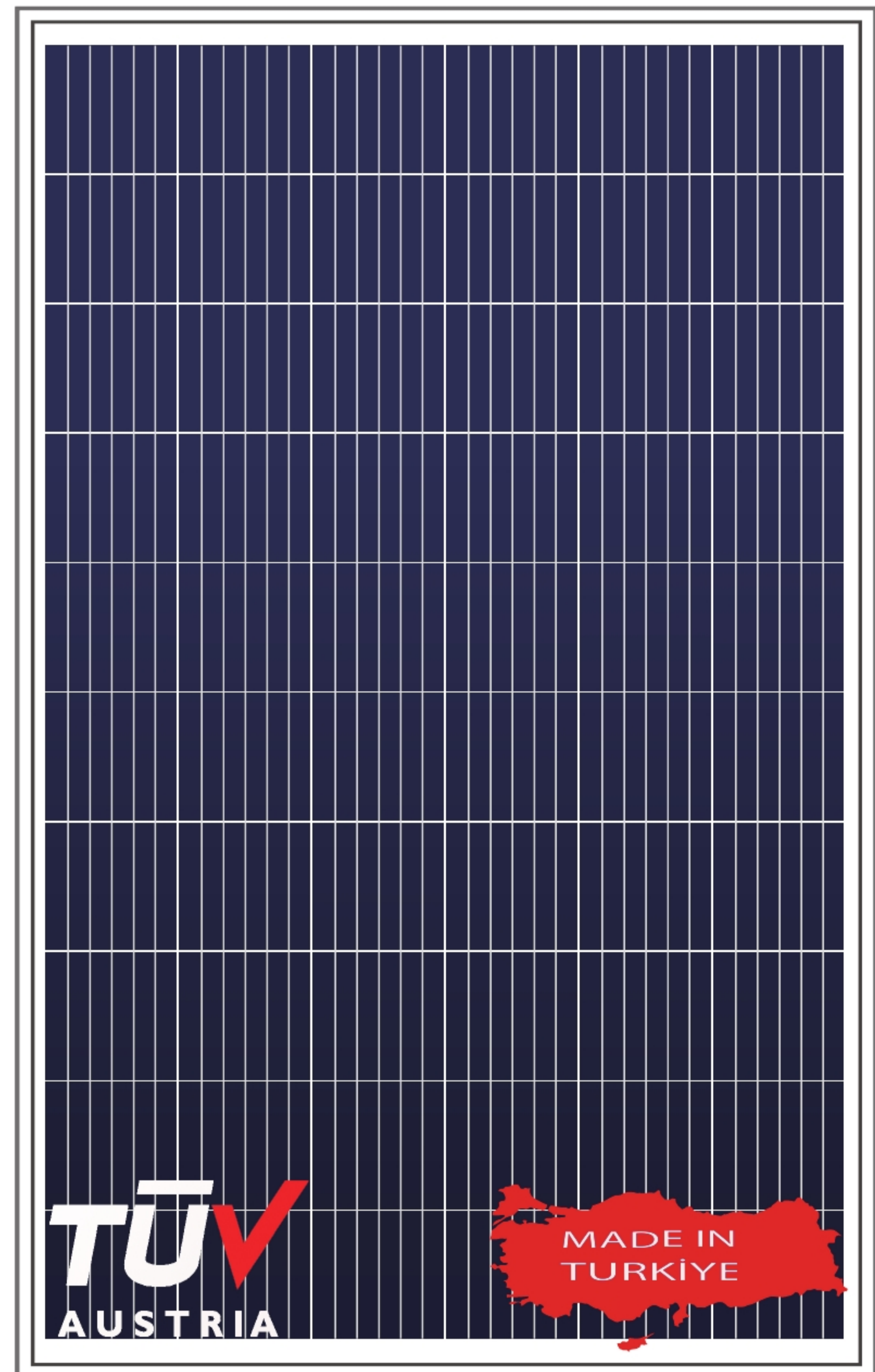
25 years power output warranty



Snail trail resistance



Design for 1500 VDC system voltage  
Reduce the system BOS effectively



Harsh environment PV system installation

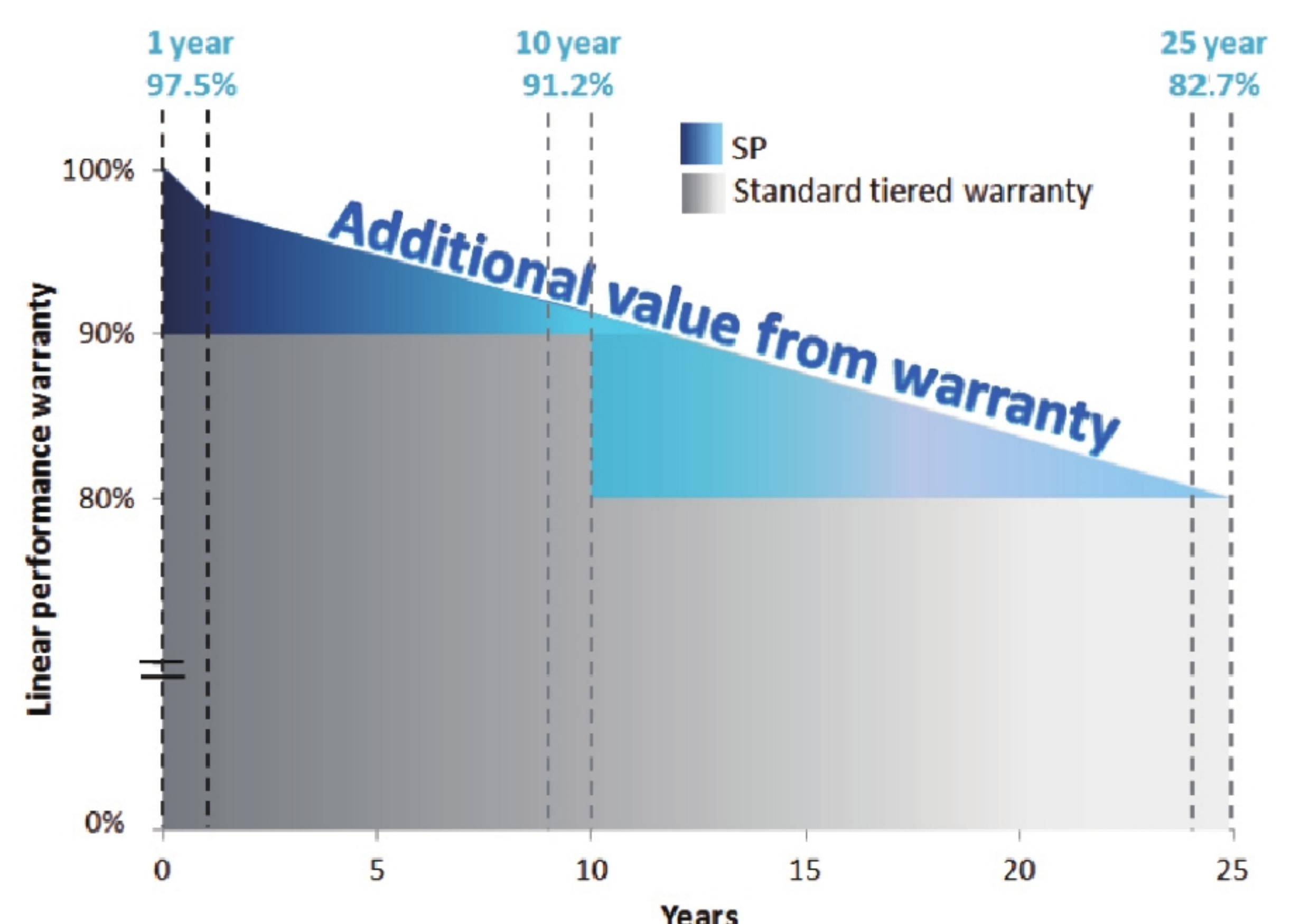


Excellent PID Performance

### Reliability & Certification

Linear Performance Warranty

- 1-year: 97.5% power output then power degradation 0.7% per year till 25th year
- 25-year: 80.7% power output
- 10-year: 91.2% power output





# Solar And Renewable Power System



## Electrical Data

MODEL	SP-260P60	SP-265P60	SP-270P60	SP-275P60	SP-280P60	SP-285P60
Maximum Rating Power (Pmax)	260 W	265 W	270 W	275 W	280W	285W
Module Efficiency	16.0%	16.3%	16.6%	16.9%	17.21%	17.52%
Open Circuit Voltage (Voc)	37.67 V	38.89 V	38.20 V	38.30 V	38.40 V	38.50 V
Maximum Power Voltage (Vmpp)	30.73 V	31.01 V	31.24 V	31.38 V	31.52 V	31.64 V
Short Circuit Current (Isc)	8.88 A	8.98 A	9.19 A	9.24 A	9.30 A	9.36 A
Maximum Power Current (Impp)	8.48 A	8.57 A	8.66 A	8.78 A	8.90 A	9.02 A

\* Standard Test Condition (STC): Cell Temperature 25 °C, Irradiance 1000 W/m<sup>2</sup>, A.M. 1.5.

\* Values w/o tolerance are typical numbers.

\* Specifications subject to change

## Mechanical Data

Item	Specification
Dimension	1640 mm (L) <sup>1</sup> x 992 mm (W) <sup>1</sup> x 35 mm (D) <sup>2</sup> / 64.5" (L) <sup>1</sup> x 39.1" (W) <sup>1</sup> x 1.38" (D) <sup>2</sup>
Weight	18 kg / 39.7 lbs
Solar Cell	60 multicrystalline 6" silicon cells
Front Glass	Anti-reflective tempered solar glass, 3.2mm thickness
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Cover	Composite film, white
Junction Box	IP 68 rated; Cable: 1,000 mm
Frame	Anodized aluminum frame, original or black
Packaging Configuration	30 pcs Per Pallet, 840 pcs Per 40' HQ container

<sup>1</sup> : With assembly tolerance of ± 2 mm [± 0.08"]

<sup>2</sup> : With assembly tolerance of ± 0.8 mm [± 0.03"]

## Operating Conditions

Item	Specification
Mechanical Load	5400 Pa
Maximum System Voltage	DC 1500 V
Series Fuse Rating	15 A
Operating Temperature	-40 to 85 °C

## Temperature Characteristics

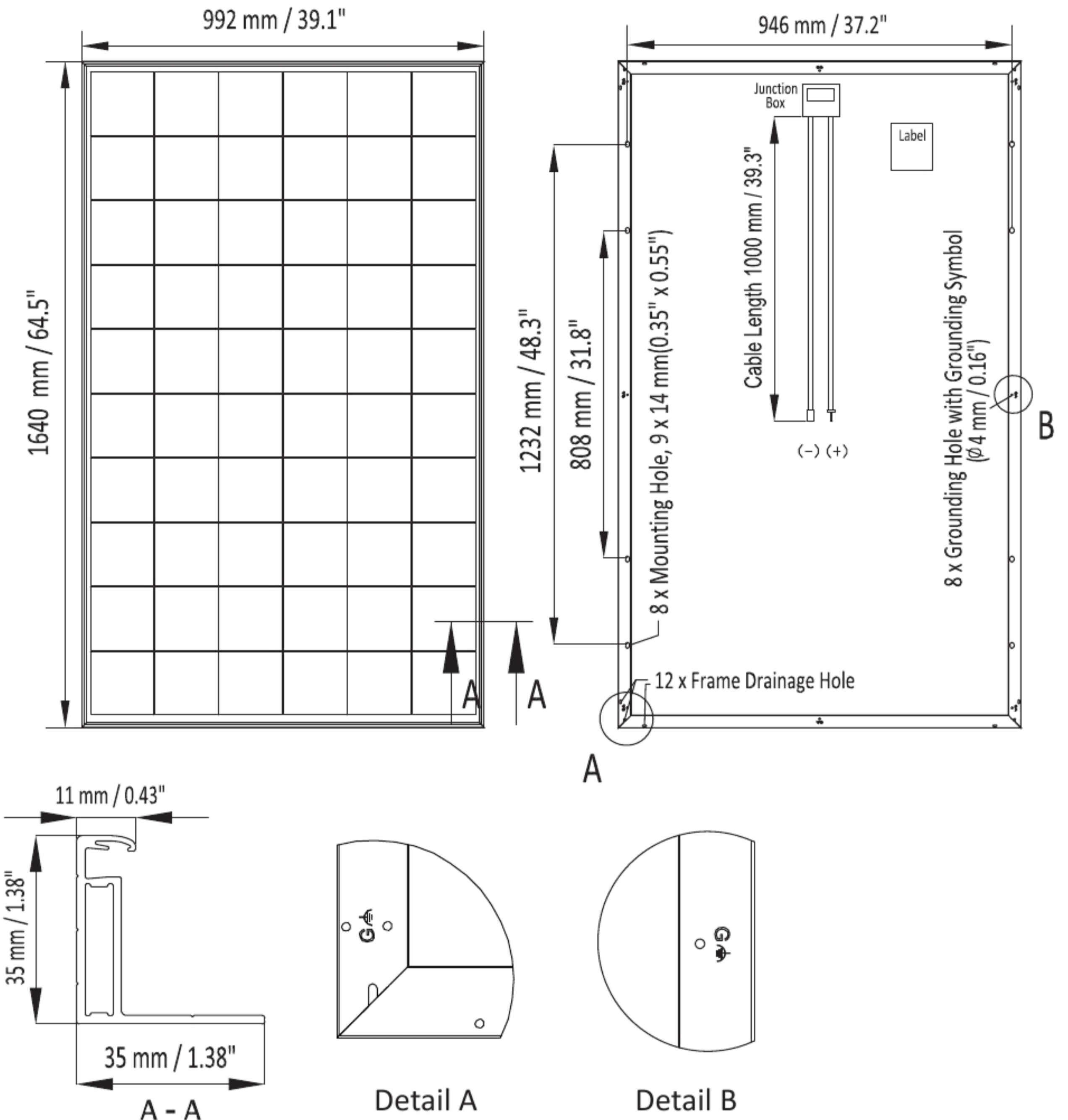
Item	Specification
Nominal Operating Cell Temperature	44 °C ± 2°C
Temperature Coefficient of Isc	0,0546 % / °C
Temperature Coefficient of Voc	-0,3326 % / °C
Temperature Coefficient of Pmax	-0,422 % / °C

\* Nominal Operating Cell Temperature (NOCT): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20 °C, Wind Speed 1 m/s

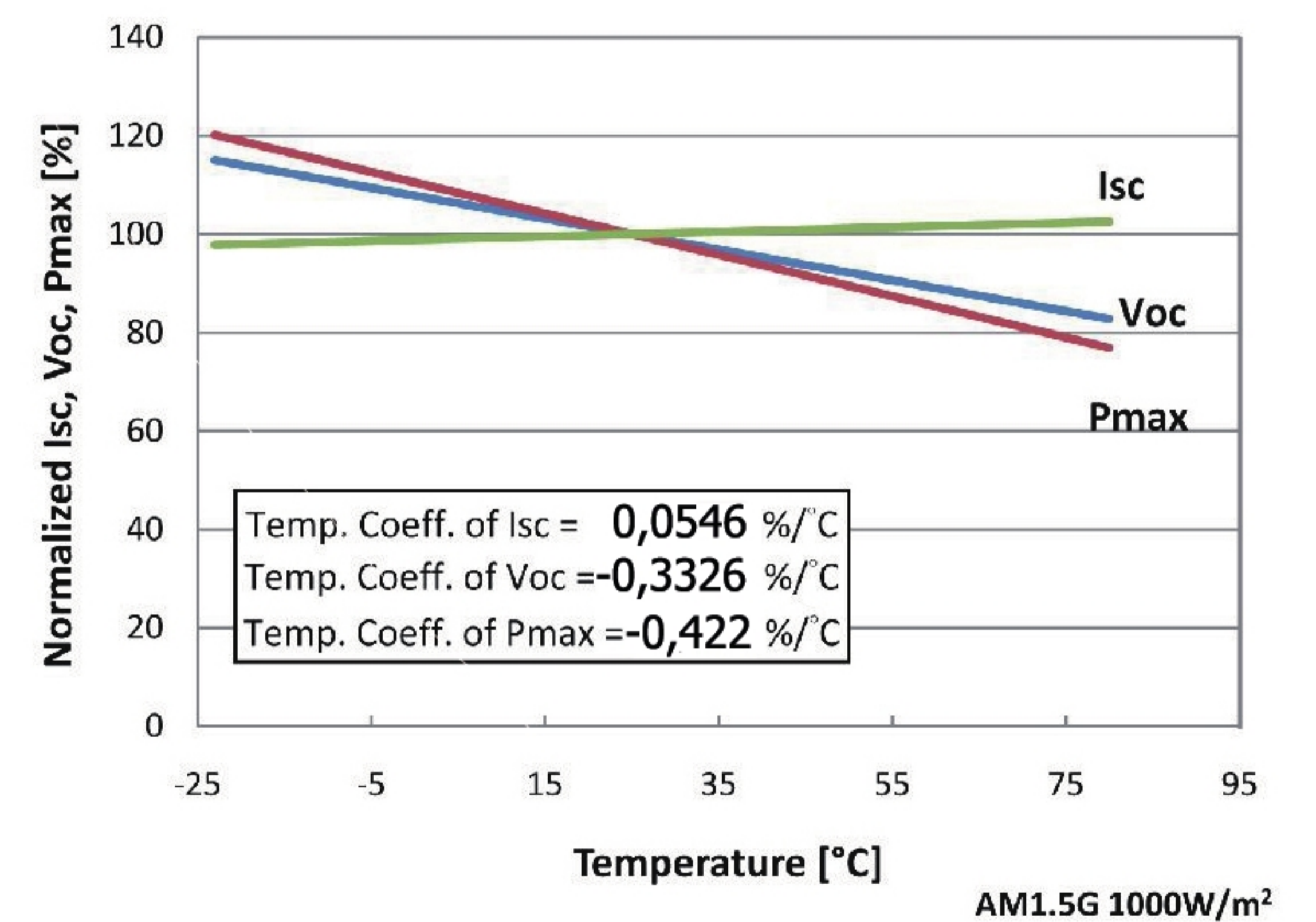
\* Please refer to NSP's Standard Module Installation Manual before using the product

\* Reduction in efficiency from 1000 W/m<sup>2</sup> to 200 W/m<sup>2</sup> at 25 °C: 3.5% ± 2 %

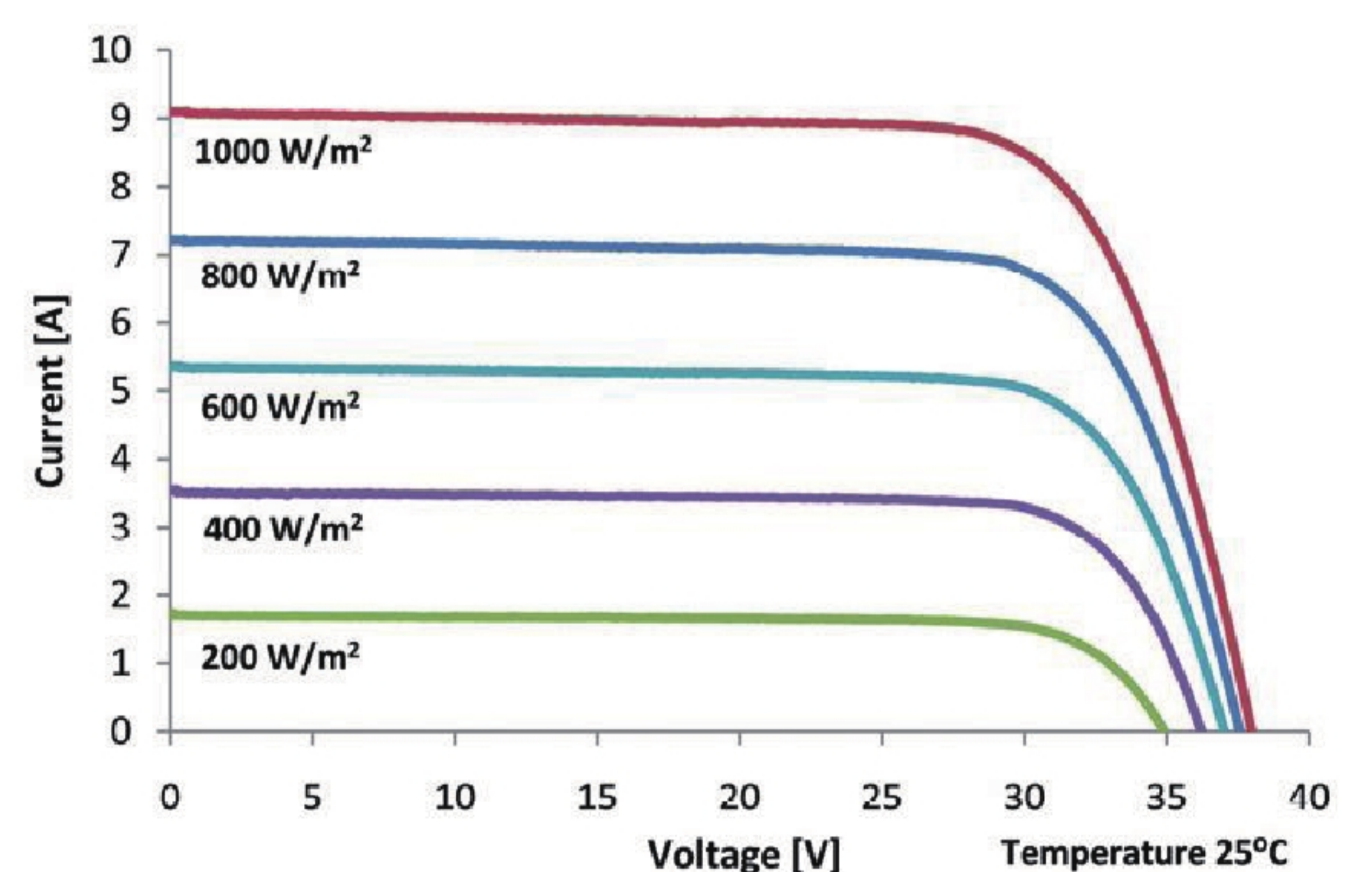
## Front View & Back View



## Dependence on Temperature



## Dependence on Irradiance



## Certificates

TUV Austria Certification, CE, ISO 9001:2015, ISO 14001: 2015, OHSAS 18001, FPC Factory Process Control certificate

## Contact Us

### Factory

Adress:

Sales Department:

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