

# Solar And Renewable Power System



## Solar Power

### 360 W - 380 W

Mono-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



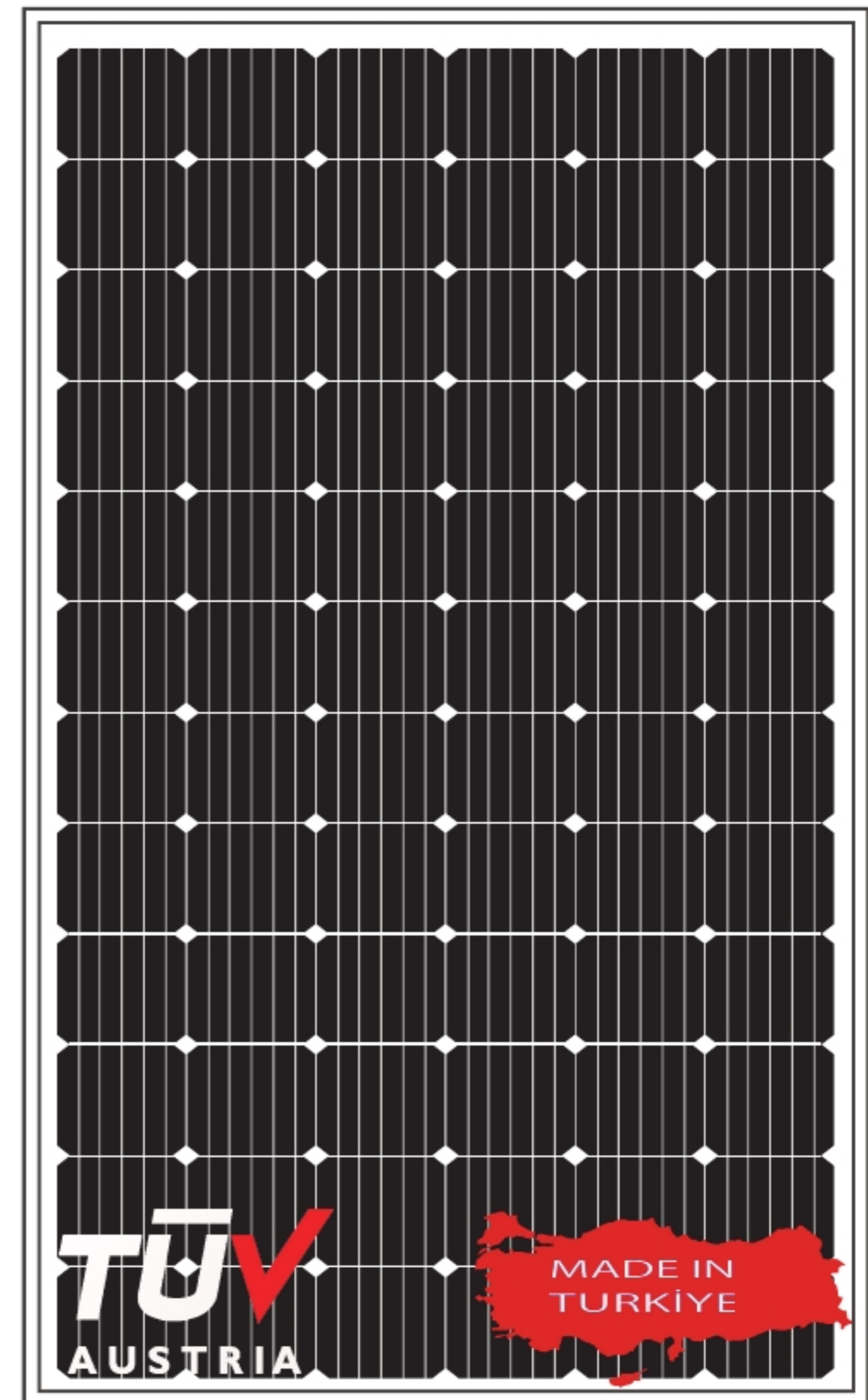
25 years power output warranty



Snail trail resistance



Design for 1500 VDC system voltage  
Reduce the system BOS effectively



Harsh environment PV system installation



Excellent PID Performance

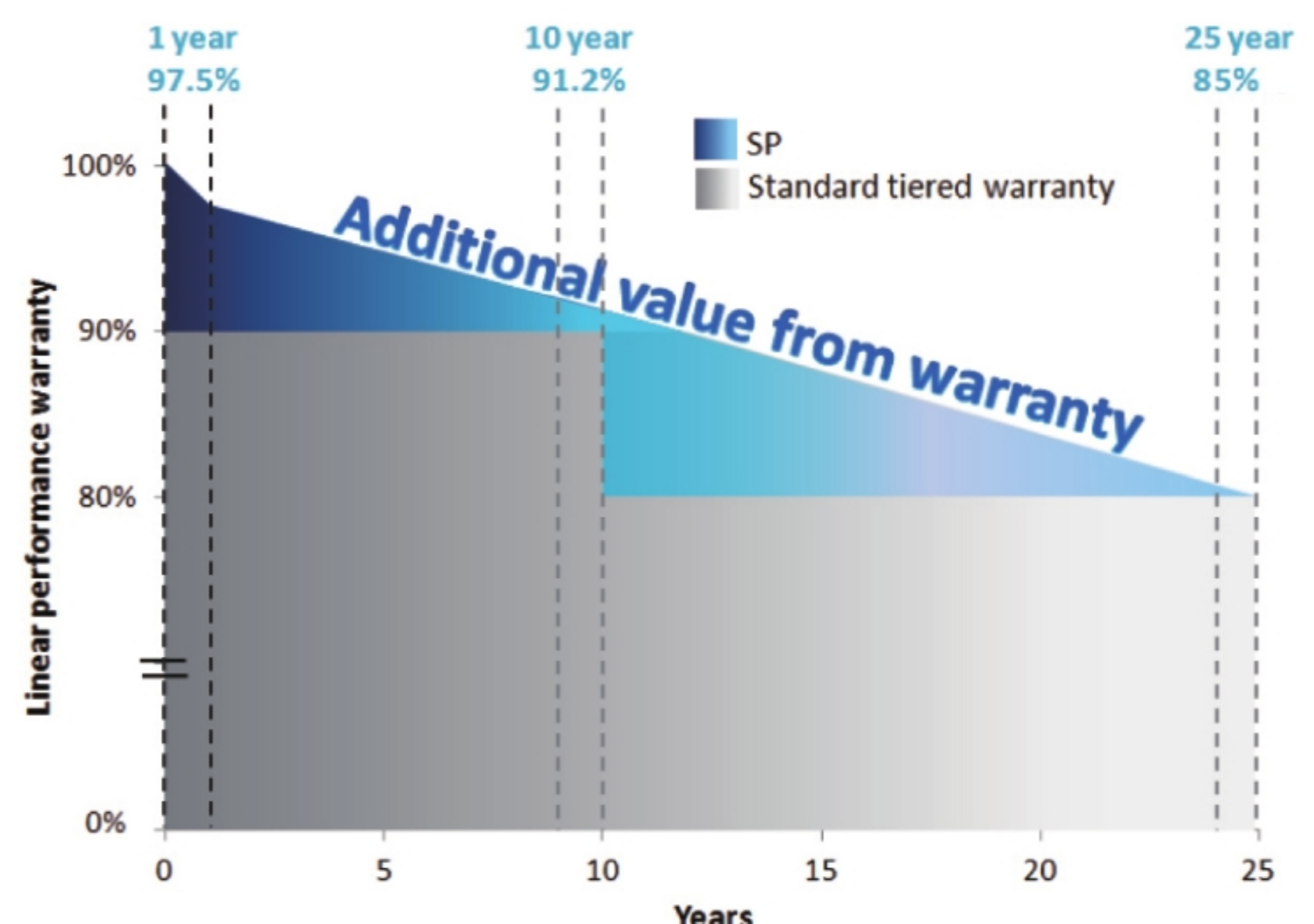
### Reliability & Certification

Product Guarantee: 10-year

Linear Performance Warranty

- 1-year : 97% power output then  
power degradation 0.5% per year  
till 25<sup>th</sup> year

- 25-year : 85%



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## Electrical Data

MODEL	SP-360M72	SP-365M72
Maximum Rating Power (Pmax)	360 W	365 W
Module Efficiency	18.55%	18.81%
Open Circuit Voltage (Voc)	46.89 V	47.60 V
Maximum Power Voltage (Vmpp)	38.52 V	38.70 V
Short Circuit Current (Isc)	9.67 A	9.78 A
Maximum Power Current (Impp)	9.36 A	9.44 A

MODEL	SP-370M72	SP-375M72	SP-380M72
Maximum Rating Power (Pmax)	370 W	375 W	380 W
Module Efficiency	19.07%	19.33%	19.58%
Open Circuit Voltage (Voc)	47.80 V	48.00 V	48.30 V
Maximum Power Voltage (Vmpp)	38.90 V	39.10 V	39.40 V
Short Circuit Current (Isc)	9.88 A	9.96 A	10.02 A
Maximum Power Current (Impp)	9.52 A	9.60 A	9.65 A

\* Standard Test Conditions (STC): Cell Temperature 25°C, Irradiance 1000 W/m<sup>2</sup>, AM 1.5G  
 \* Values without tolerance are typical numbers  
 \* Specifications are subject to change without notice

## Mechanical Data

Item	Specification
Dimensions	1956 mm (L) <sup>1</sup> x 992 mm (W) <sup>1</sup> x 40 mm (D) <sup>1</sup> / 77.0" (L) x 39.1" (W) <sup>1</sup> x 1.575" (D)
Weight	23 kg / 39.1 lbs
Solar Cell	72 monocrystalline 6" p-PERC bifacial solar cells
Front Glass	Anti-reflective tempered patterned glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Rear Glass	Tempered patterned glass, 3.2 mm
Junction Box	IP 68 rated, 3 Diodes; Cable: 4.0 mm <sup>2</sup> , 1000/1200 mm
Packaging Configuration	30 pcs per pallet, 660 pcs per 40' HQ container

<sup>1</sup> : With assembly tolerance of ± 2 mm (± 0.08")

## Operating Conditions

Item	Specification
Maximum Front Loading	5400 Pa
Maximum System Voltage	1500 VDC
Series Fuse Rating	15A
Operating Temperature	-40 to 85°C

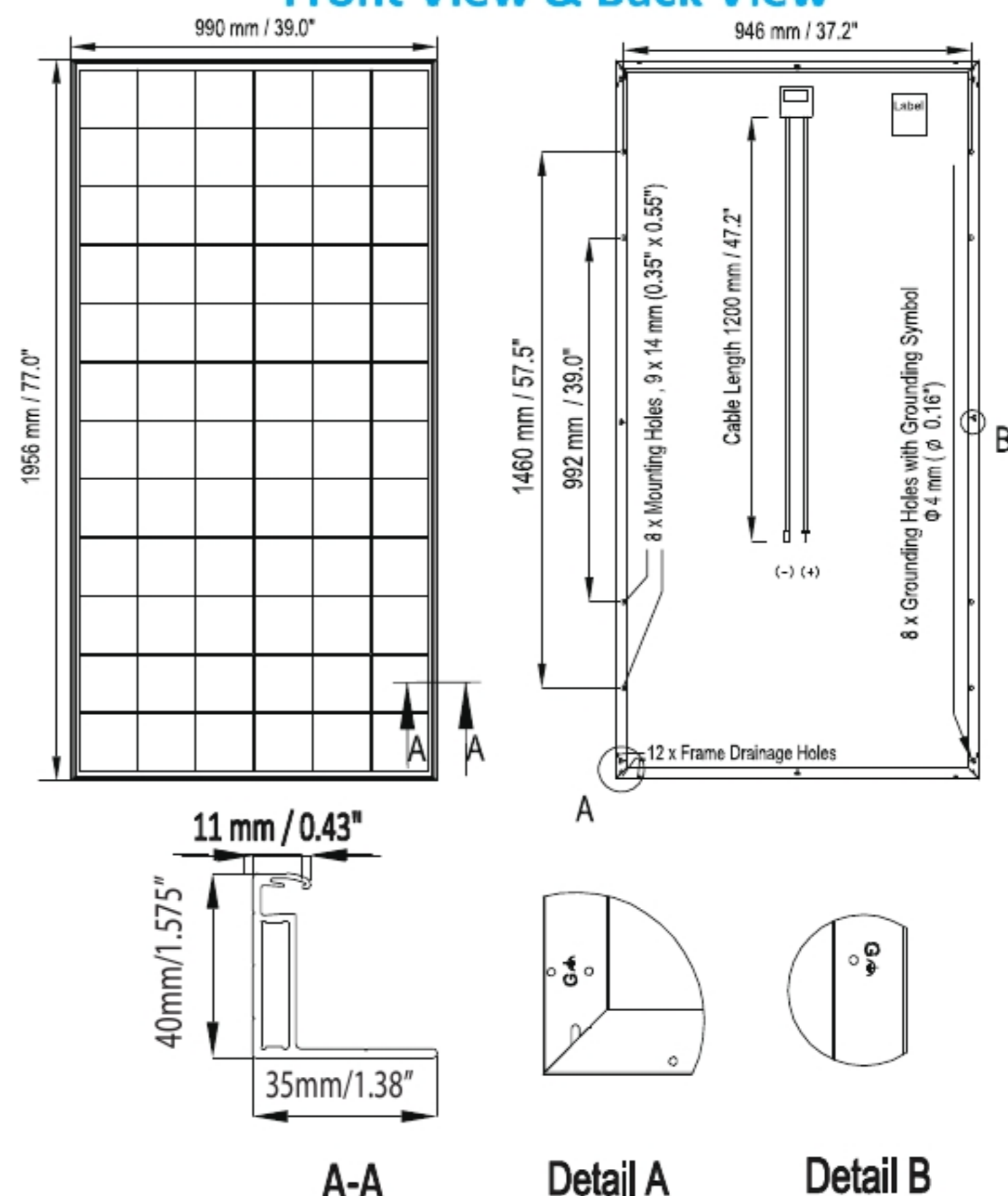
## Temperature Characteristics

Item	Specification
Nominal Operating Cell Temperature	46 °C ± 2 °C
Temperature Coefficient of Isc	0,050 % / °C
Temperature Coefficient of Voc	-0,280 % / °C
Temperature Coefficient of Pmax	-0,380 % / °C

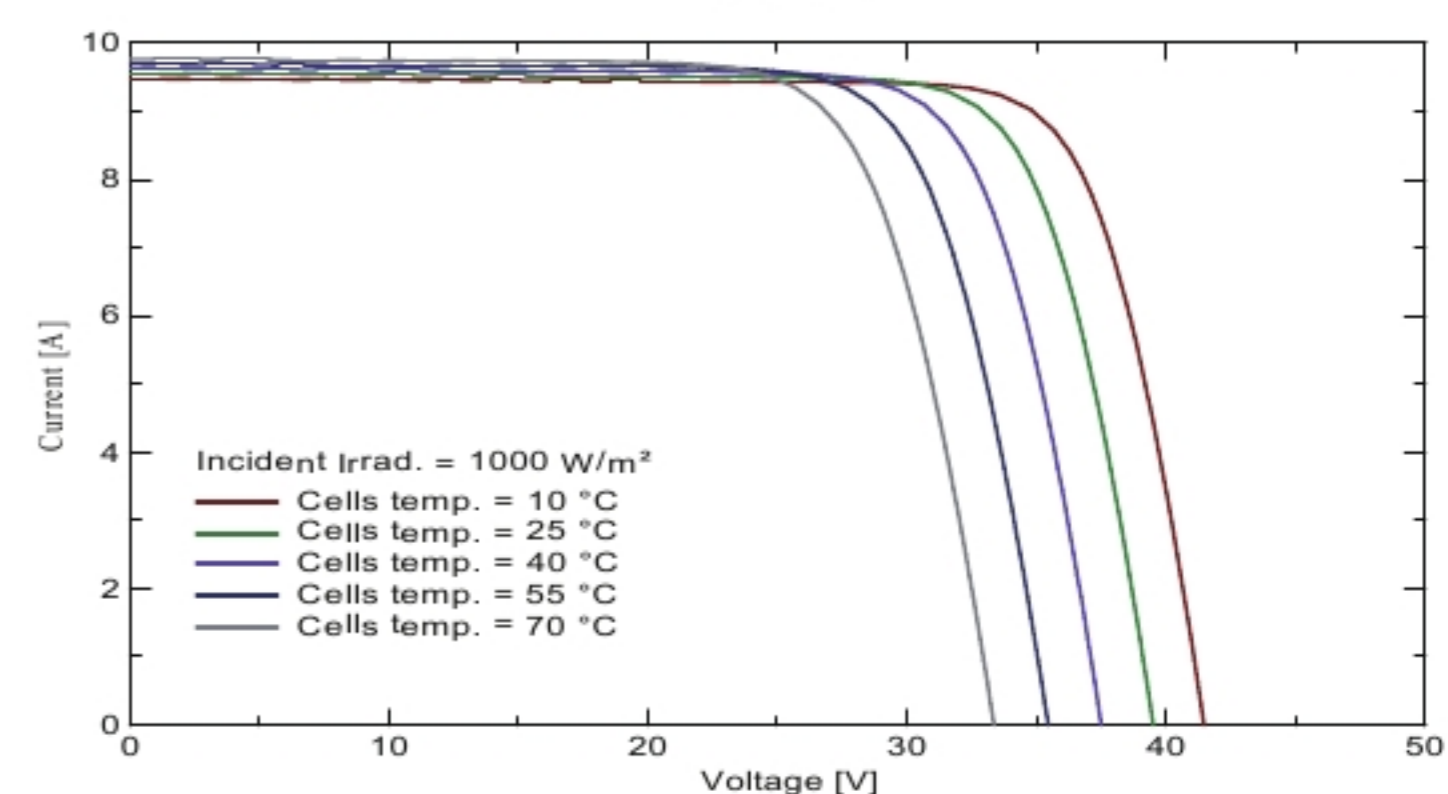
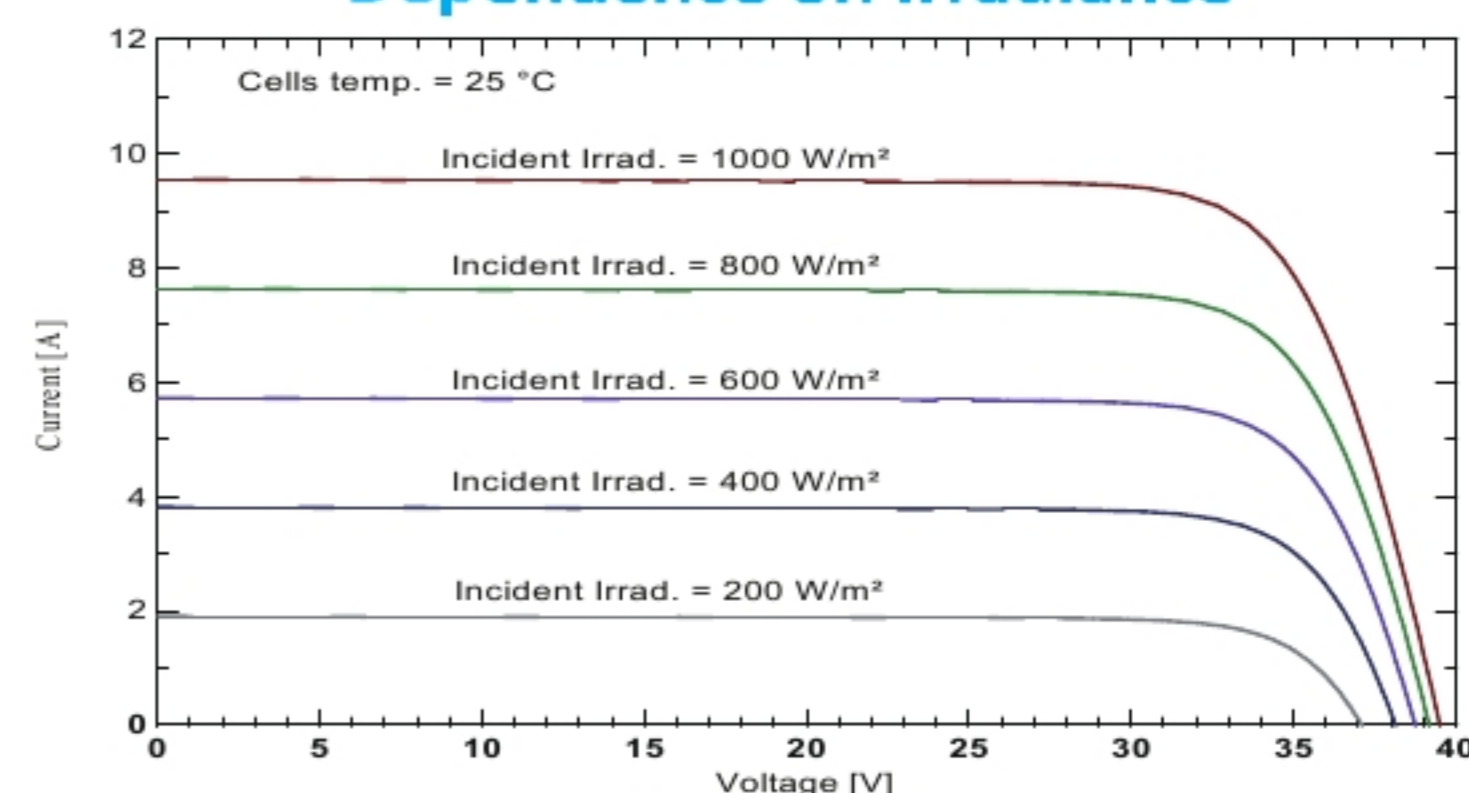
## Certificates

TUV Austria Certification, CE, ISO 9001:2015, ISO 14001: 2015, OHSAS 18"001, FPC Factory Process Control certificate

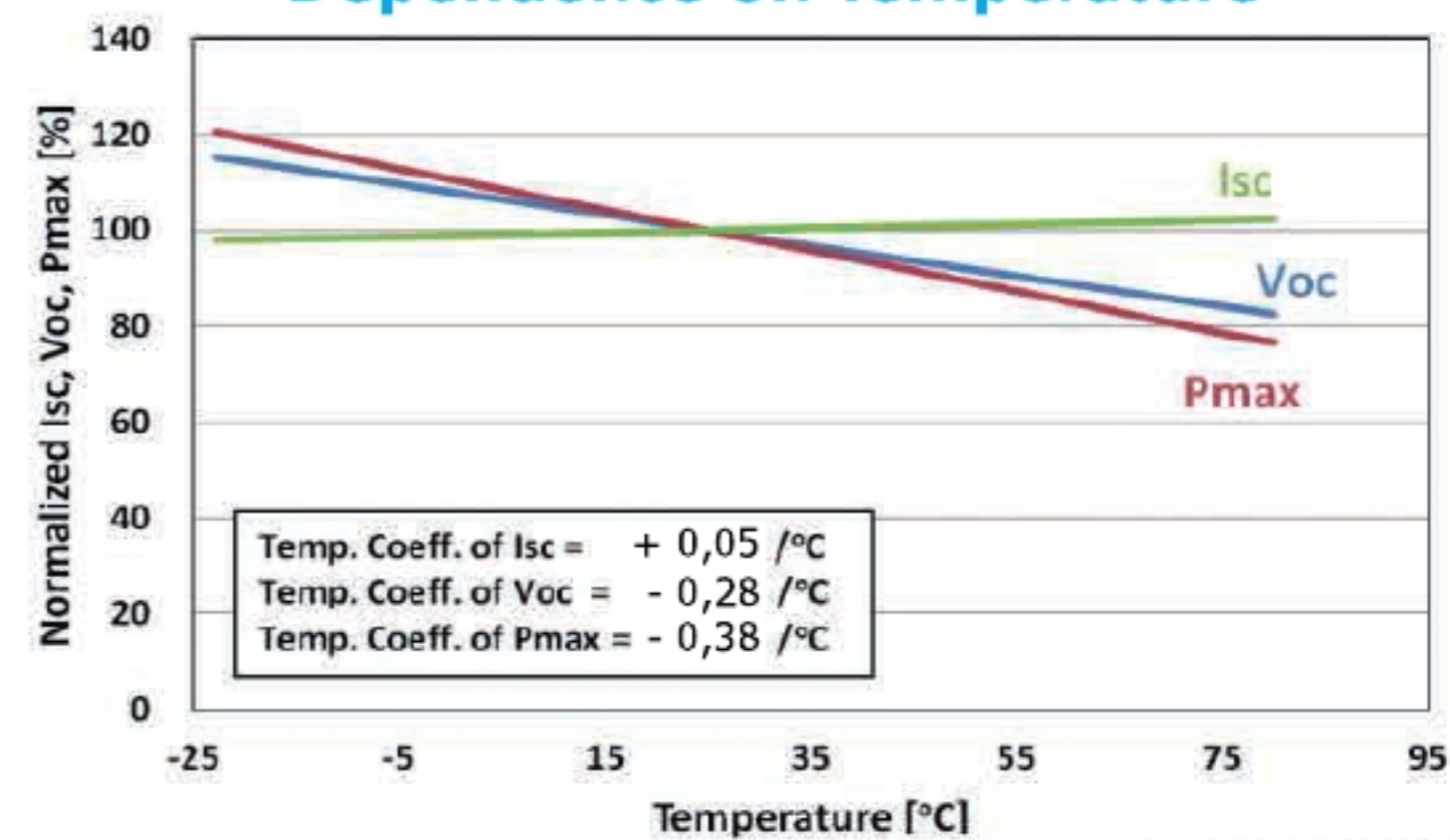
## Front View & Back View



## Dependence on Irradiance



## Dependence on Temperature



\* Nominal Operating Cell Temperature (NOCT):  
 Irradiance 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s  
 \* Please refer to SP's Standard Module Installation Manual before using the product  
 NOCT 44°C

## Contact Us

### Factory

### Adress:

### Sales Department:

### Fax:

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