



SOLAR ENERGY  
FOR A BRIGHTER FUTURE

## SOLAR PV MODULE CATALOG

## Standard Test Conditions:

The opto-electrical specifications shown below are stabilized values being measured at Standard Test Conditions, Irradiance: 1000W/m<sup>2</sup>, Spectrum: AM1.5 at 25, The info below are subject to manufacturing tolerances. Where appropriate, minutes of measurement are available and are used for the dimensioning of the installation

## Advantages

- Perseid Solar performance guarantees for 25 years
- Timeliness of delivery
- Recycling of free modules
- Quality Products certified (TÜV, UL, CE, ISO)

## Characteristics

Max Power Voltage Vmp(V)	34.5	35.6	35.8	36.1	36.2	36.2
Max Power Current Imp(A)	4.64	4.65	4.75	4.85	4.97	5.11
Open Circuit Voltage Voc (V)	41.75	43.2	43.32	43.68	43.8	44.8
Short Circuit Current Isc(A)	5.32	5.2	5.38	5.49	5.48	5.51
<b>Max Power Pm(W)</b>	<b>160</b>	<b>165</b>	<b>170</b>	<b>175</b>	<b>180</b>	<b>185</b>

## Temperature and Coefficients

NOCT	48°C±2°C
Voltage Temperature Coefficient(%/k)	-0.34
Current Temperature Coefficient(%/k)	0.09
Power Temperature Coefficient(%/k)	-0.37

## Specifications

Dimension	1580 x 808 x 35 mm
Weight	15.50 kg
No. of Cells and Connections	72 (12X6)
Tolerance	±3%
Cell	monocrystalline Silicon Solar Cells 125X125mm

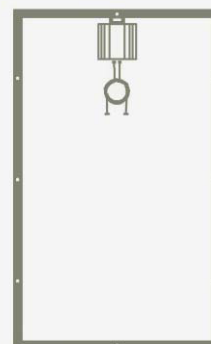
## Limits

Operating Temperature	-40 °C to + 85 °C
Storage temperature	-40 °C to + 85 °C
Max System Voltage	1000VDC max
Hail Impact	Diameter of 28mm with impact speed of 86km/h,

## Guarantees

Products Guarantee	5 yrs free from defects in materials and workmanship
Performance Guarantee	Module performance guarantee of no less than 90% within 10yrs and 80% within 25yrs
Certificates	CE, TUV, UL

Picture



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## Characteristics

Max Power Voltage Vmp(V)	46.3	46.7	47.2	47.5
Max Power Current Imp(A)	4.54	4.71	4.87	5.05
Open Circuit Voltage Voc V	56.02	56.51	57.11	57.48
Short Circuit Current Isc(A)	5.28	5.41	5.52	5.57
<b>Max Power Pm(W)</b>	<b>210</b>	<b>220</b>	<b>230</b>	<b>240</b>

## Temperature and Coefficients

NOCT	48°C±2°C
Voltage Temperature Coefficient(%/k)	-0.34
Current Temperature Coefficient(%/k)	0.09
Power Temperature Coefficient(%/k)	-0.37

## Specifications

Dimension	1580 x 1068 x 40 mm
Weight	25.05 kg
No. of Cells and Connections	96 (12X8)
Tolerance	±3%
Cell	monocrystalline Silicon Solar Cells 125X125mm

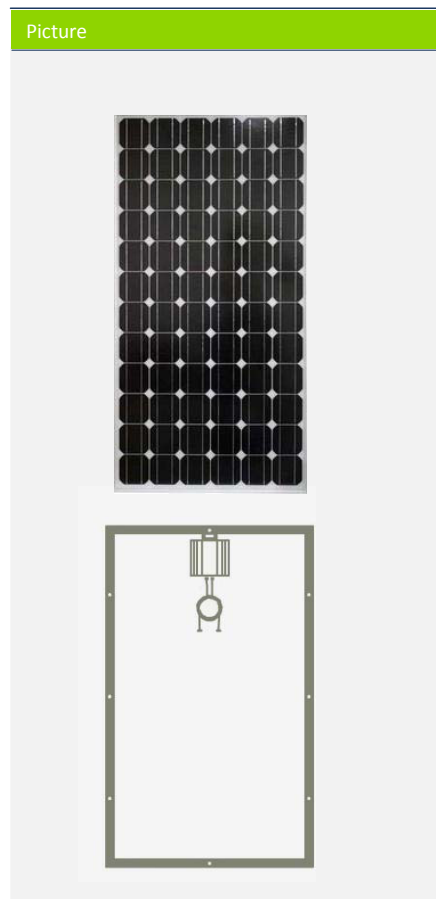
## Limits

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Storage temperature	-40 °C to + 85 °C
Max System Voltage	1000VDC max
Hail Impact	Diameter of 28mm with impact speed of 86km/h,

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Performance Guarantee	Module performance guarantee of no less than 90% within 10yrs and 80% within 25yrs
Certificates	CE

Picture



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## Characteristics

Max Power Voltage Vmp(V)	23.2	23.3	23.5	23.5	23.7
Max Power Current Imp(A)	6.9	7.3	7.45	7.66	7.81
Open Circuit Voltage Voc V	28.3	28.43	28.67	28.67	28.91
Short Circuit Current Isc(A)	8.19	8.42	8.48	8.6	8.65
<b>Max Power Pm(W)</b>	<b>160</b>	<b>170</b>	<b>175</b>	<b>180</b>	<b>185</b>

## Temperature and Coefficients

NOCT	48°C±2°C
Voltage Temperature Coefficient(%/k)	-0.35
Current Temperature Coefficient(%/k)	0.05
Power Temperature Coefficient(%/k)	-0.45

## Specifications

Dimension	1310 x 990 x 40 mm
Weight	16.50 kg
No. of Cells and Connections	48 (8X6)
Tolerance	±3%
Cell	Polycrystalline Silicon Solar Cells 156X156mm

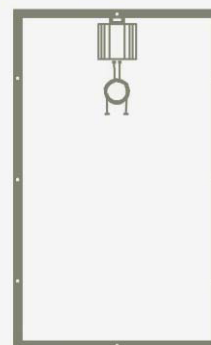
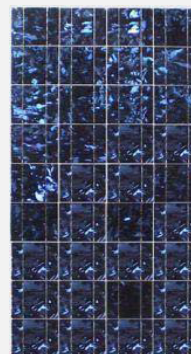
## Limits

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Storage temperature	-40 °C to + 85 °C
Max System Voltage	1000VDC max
Hail Impact	Diameter of 28mm with impact speed of 86km/h,

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## Characteristics

Max Power Voltage Vmp(V)	29.2	29.4	29.41	29.8
Max Power Current Imp(A)	6.85	7.14	7.48	7.72
Open Circuit Voltage Voc V	36.5	36.69	36.9	37.31
Short Circuit Current Isc(A)	7.28	7.6	7.93	8.19
<b>Max Power Pm(W)</b>	<b>200</b>	<b>210</b>	<b>220</b>	<b>230</b>

## Temperature and Coefficients

NOCT	48°C±2°C
Voltage Temperature Coefficient(%/k)	-0.35
Current Temperature Coefficient(%/k)	0.05
Power Temperature Coefficient(%/k)	-0.45

## Specifications

Dimension	1650 x 990 x 40 mm
Weight	25.50 kg
No. of Cells and Connections	60 (10X6)
Tolerance	±3%
Cell	Polycrystalline Silicon Solar Cells 156X156mm

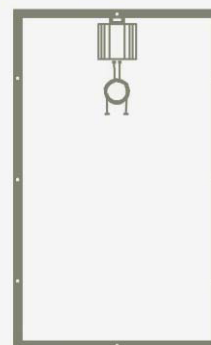
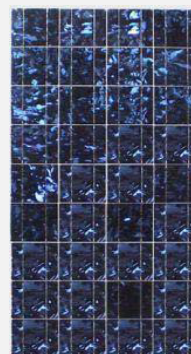
## Limits

Operating Temperature	-40 °C to + 85 °C
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## Characteristics

Max Power Voltage Vmp(V)	34.6	34.7	35.2	35.3
Max Power Current Imp(A)	7.23	7.49	7.67	7.93
Open Circuit Voltage Voc V	43.12	43.37	43.65	43.77
Short Circuit Current Isc(A)	8.53	8.56	8.59	8.76
<b>Max Power Pm(W)</b>	<b>250</b>	<b>260</b>	<b>270</b>	<b>280</b>

## Temperature and Coefficients

NOCT	48°C±2°C
Voltage Temperature Coefficient(%/k)	-0.35
Current Temperature Coefficient(%/k)	0.05
Power Temperature Coefficient(%/k)	-0.45

## Specifications

Dimension	1954 x 990 x 50 mm
Weight	28.0 kg
No. of Cells and Connections	72 (12X6)
Tolerance	±3%
Cell	Polycrystalline Silicon Solar Cells 156X156mm

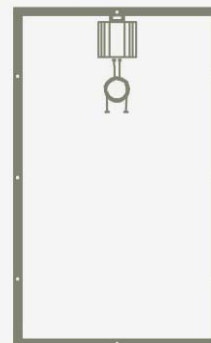
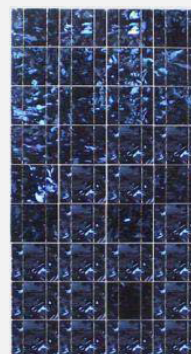
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