

**PALAMI-PV60-Mono285B**  
**PALAMI-PV60-Mono290B**  
**PALAMI-PV60-Mono295B**  
**PALAMI-PV60-Mono300B**

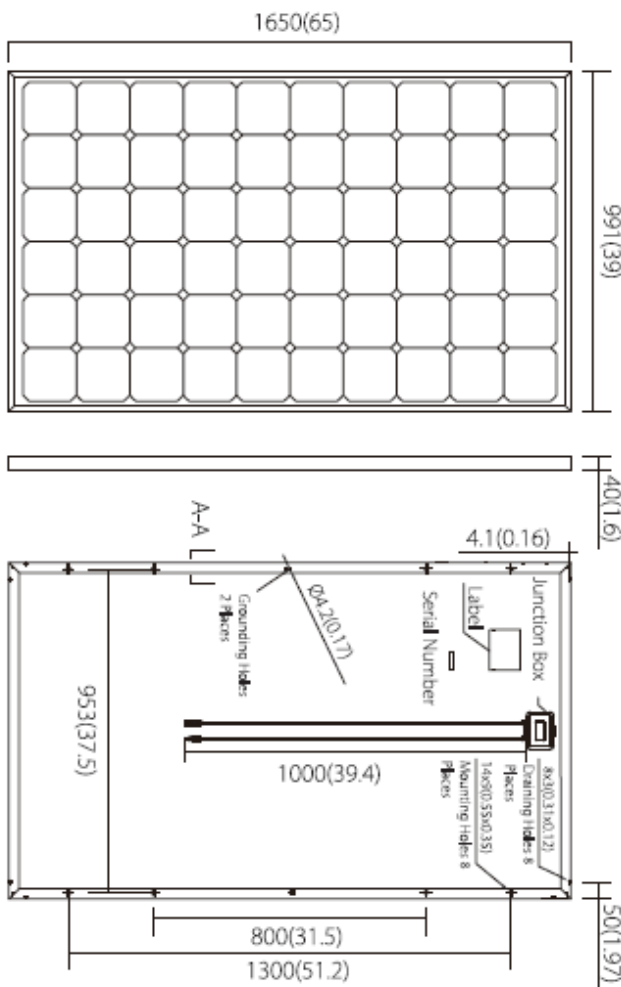
**5**  
**YEARS**  
 product  
 quality  
 warranty

**10**  
**YEARS**  
 90% output  
 power  
 warranty

**25**  
**YEARS**  
 80% output  
 power  
 warranty

PALAMI-PV60-MONO-BLACK series panels are made for solutions when aesthetic appeal is highly needed. It is best product for in-roof and full-roof solutions.

PALAMI Green Energy combines leading technologies, manufacturing standards and design solutions to produce high-performance solar panels of high quality.



PALAMI Green Energy is a division of PALAMI Group specializing in the production and marketing of renewable energy products.

Our main advantage is the high quality of the products and solutions as well individual customer approach.

### Electrical data (STC)

Values at standard test conditions (STC: air mass AM 1.5, irradiance 1000 W/m<sup>2</sup>, temperature 25°C), based on a production spread with a tolerance of VOC & ISC ±3% within one watt class. At low irradiance of 200 W/m<sup>2</sup> at least 95.5% of the STC module efficiency will be achieved.

Nominal Power - P <sub>MPP</sub> (Wp)	285	290	295	300
Watt Class Sorting - (W)	-0/+5	-0/+5	-0/+5	-0/+5
Nominal Power Voltage - V <sub>MPP</sub> (V)	32,0	32,2	32,5	32,8
Nominal Power Current - I <sub>MPP</sub> (A)	8,87	8,97	9,05	9,81
Open Circuit Voltage - V <sub>OC</sub> (V)	39,5	39,6	39,9	40,0
Short Circuit Current - I <sub>SC</sub> (A)	9,45	9,58	9,70	9,81
Panel Efficiency (%)	17,2	17,6	18,0	18,2

### Electric data (NOCT)

Nominal module operating temperature (NOCT: air mass AM 1.5, irradiance 800 W/m<sup>2</sup>, temperature 20°C, windspeed 1 m/s).

Nominal Power - P <sub>MPP</sub> (Wp)	210	213	217	220
Nominal Power Voltage - V <sub>MPP</sub> (V)	29,4	29,7	29,9	30,0
Nominal Power Current - I <sub>MPP</sub> (A)	7,10	7,17	7,25	7,32
Open Circuit Voltage - V <sub>OC</sub> (V)	36,5	36,6	36,8	37,0
Short Circuit Current - I <sub>SC</sub> (A)	7,62	7,73	7,81	7,92

### Panel data

Cells:	60x A-grade monocrystalline cells
Glass:	3,2mm anti-reflective solar glass
Backsheet:	Polymeric
Frame:	Anodized aluminum
Junction box:	3 bypass diodes, IP67
Cable:	4mm <sup>2</sup> TUV certified solar cable
Connectors:	MC4 compatible
Dimensions:	1650mm x 991mm x 40mm
Area:	1,63m <sup>2</sup>
Weight:	19,7kg

### Ratings & Temperatures

Operational temperature:	-40 ... +85°C
Nominal Operating Temperature:	45,0°C (±2°C)
Temperature coefficient of P <sub>MPP</sub>	-0.42 %/°C
Temperature coefficient of V <sub>OC</sub>	-0.30 %/°C
Temperature coefficient of I <sub>SC</sub>	0.057 %/°C
Maximum system voltage (VDC):	1000 V
Max series fuse rating:	16A
Max reverse current:	16A
Mechanical Design load (snow):	>5400Pa

IEC 61215, IEC 61730 & UL 1703 MCS 005  
IEC 62804 (PID)  
UNI 8457/9174 (Class A)  
ISO 11925-2 (Class E)  
ISO 9001: 2015  
ISO 14001: 2004  
OHSAS 18001: 2007



**PALAMI-PV60-Mono280**  
**PALAMI-PV60-Mono285**  
**PALAMI-PV60-Mono290**  
**PALAMI-PV60-Mono295**

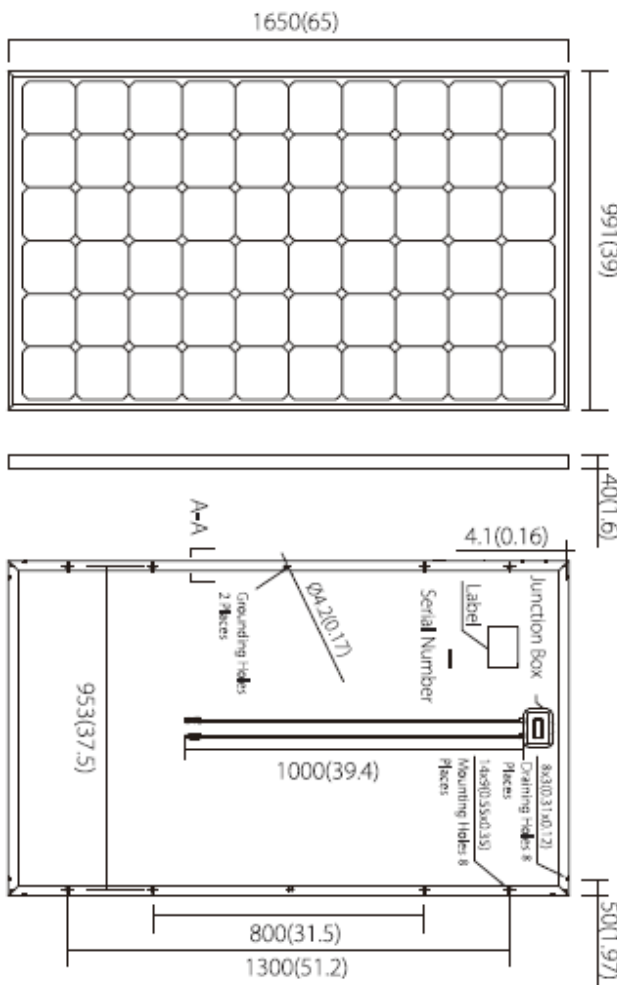
**5**  
**YEARS**  
 product  
 quality  
 warranty

**10**  
**YEARS**  
 90% output  
 power  
 warranty

**25**  
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 80% output  
 power  
 warranty

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### Electrical data (STC)

Values at standard test conditions (STC: air mass AM 1.5, irradiance 1000 W/m<sup>2</sup>, temperature 25°C), based on a production spread with a tolerance of VOC & ISC ±3% within one watt class. At low irradiance of 200 W/m<sup>2</sup> at least 95.5% of the STC module efficiency will be achieved.

Nominal Power - P <sub>MPP</sub> (Wp)	280	285	290	295
Watt Class Sorting - (W)	-0/+5	-0/+5	-0/+5	-0/+5
Nominal Power Voltage - V <sub>MPP</sub> (V)	31,4	31,6	31,7	31,9
Nominal Power Current - I <sub>MPP</sub> (A)	8,91	9,06	9,15	9,28
Open Circuit Voltage - V <sub>OC</sub> (V)	38,6	38,7	38,8	38,9
Short Circuit Current - I <sub>SC</sub> (A)	9,45	9,58	9,70	9,86
Panel Efficiency (%)	17,0	17,3	17,5	17,9

### Electric data (NOCT)

Nominal module operating temperature (NOCT: air mass AM 1.5, irradiance 800 W/m<sup>2</sup>, temperature 20°C, windspeed 1 m/s).

Nominal Power - P <sub>MPP</sub> (Wp)	205	210	213	219
Nominal Power Voltage - V <sub>MPP</sub> (V)	28,9	29,0	29,1	29,2
Nominal Power Current - I <sub>MPP</sub> (A)	7,15	7,25	7,32	7,41
Open Circuit Voltage - V <sub>OC</sub> (V)	35,6	35,8	35,9	36,0
Short Circuit Current - I <sub>SC</sub> (A)	7,61	7,73	7,81	7,95

### Panel data

Cells:	60x A-grade monocrystalline cells
Glass:	3,2mm anti-reflective solar glass
Backsheet:	Polymeric
Frame:	Anodized aluminum
Junction box:	3 bypass diodes, IP67
Cable:	4mm <sup>2</sup> TUV certified solar cable
Connectors:	MC4 compatible
Dimensions:	1650mm x 991mm x 40mm
Area:	1,63m <sup>2</sup>
Weight:	19,7kg

### Ratings & Temperatures

Operational temperature:	-40 ... +85°C
Nominal Operating Temperature:	45,0°C (±2°C)
Temperature coefficient of P <sub>MPP</sub>	-0.42 %/°C
Temperature coefficient of V <sub>OC</sub>	-0.30 %/°C
Temperature coefficient of I <sub>SC</sub>	0.04 %/°C
Maximum system voltage (VDC):	1000 V
Max series fuse rating:	16A
Max reverse current:	16A
Mechanical Design load (snow):	>5400Pa

IEC 61215, IEC 61730 & UL 1703 MCS 005  
IEC 62804 (PID)  
UNI 8457/9174 (Class A)  
ISO 11925-2 (Class E)  
ISO 9001: 2015  
ISO 14001: 2004  
OHSAS 18001: 2007



**PALAMI-PV72-Mono340**  
**PALAMI-PV72-Mono345**  
**PALAMI-PV72-Mono355**  
**PALAMI-PV72-Mono360**

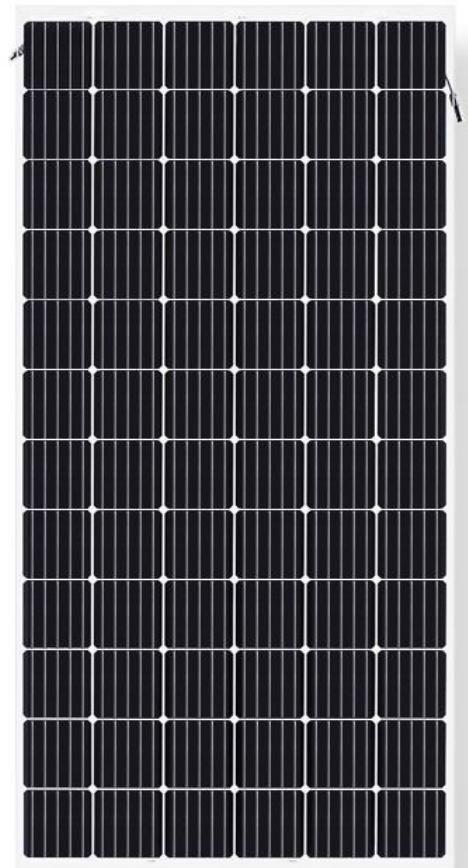
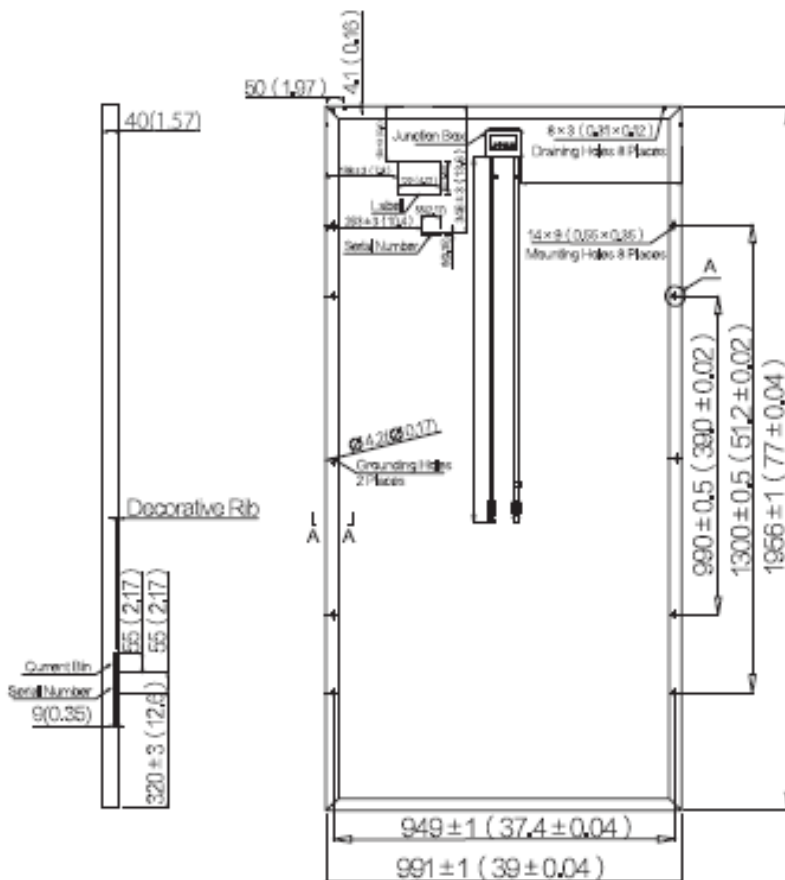
**5**  
**YEARS**  
 product  
 quality  
 warranty

**10**  
**YEARS**  
 90% output  
 power  
 warranty

**25**  
**YEARS**  
 80% output  
 power  
 warranty

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### Electrical data (STC)

Values at standard test conditions (STC: air mass AM 1.5, irradiance 1000 W/m<sup>2</sup>, temperature 25°C), based on a production spread with a tolerance of VOC & ISC ±3% within one watt class. At low irradiance of 200 W/m<sup>2</sup> at least 95.5% of the STC module efficiency will be achieved.

Nominal Power - P <sub>MPP</sub> (Wp)	340	345	355	360
Watt Class Sorting - (W)	-0/+5	-0/+5	-0/+5	-0/+5
Nominal Power Voltage - V <sub>MPP</sub> (V)	37,63	37,93	38,75	38,89
Nominal Power Current - I <sub>MPP</sub> (A)	9,03	9,10	9,18	9,26
Open Circuit Voltage - V <sub>OC</sub> (V)	47,35	47,60	47,99	48,08
Short Circuit Current - I <sub>SC</sub> (A)	9,26	9,32	9,46	9,65
Panel Efficiency (%)	17,52	17,79	18,03	18,57

### Electric data (NOCT)

Nominal module operating temperature (NOCT: air mass AM 1.5, irradiance 800 W/m<sup>2</sup>, temperature 20°C, windspeed 1 m/s).

Nominal Power - P <sub>MPP</sub> (Wp)	258	262	269	272
Nominal Power Voltage - V <sub>MPP</sub> (V)	33,72	34,01	34,70	34,85
Nominal Power Current - I <sub>MPP</sub> (A)	7,62	7,70	7,75	7,82
Open Circuit Voltage - V <sub>OC</sub> (V)	43,23	43,50	43,80	43,90
Short Circuit Current - I <sub>SC</sub> (A)	7,88	7,93	8,04	8,21

### Panel data

Cells:	72x A-grade monocrystalline cells
Glass:	3 mm high transmission glass
Backsheet:	Polymeric
Frame:	Anodized aluminum
Junction box:	3 bypass diodes, IP67
Cable:	4mm <sup>2</sup> TUV certified solar cable
Connectors:	4mm <sup>2</sup> compatible with MC4 plugs
Dimensions:	1956mm x 991mm x 40mm
Area:	1,94m <sup>2</sup>
Weight:	27,2kg

### Ratings & Temperatures

Operational temperature:	-40 ... +85°C
Nominal Operating Temperature:	45,2°C (±2°C)
Temperature coefficient of P <sub>MPP</sub>	-0.442 %/°C
Temperature coefficient of V <sub>OC</sub>	-0.333 %/°C
Temperature coefficient of I <sub>SC</sub>	0.050 %/°C
Maximum system voltage (VDC):	1000 V / 1500 V
Max series fuse rating:	25A
Max reverse current:	25A
Mechanical Design load (snow):	>5400Pa

IEC 61215, IEC 61730 & UL 1703 MCS 005  
IEC 62804 (PID)  
UNI 8457/9174 (Class A)  
ISO 11925-2 (Class E)  
ISO 9001: 2015  
ISO 14001: 2004  
OHSAS 18001: 2007



**PALAMI-PV60-Poly250**  
**PALAMI-PV60-Poly260**  
**PALAMI-PV60-Poly270**  
**PALAMI-PV60-Poly280**

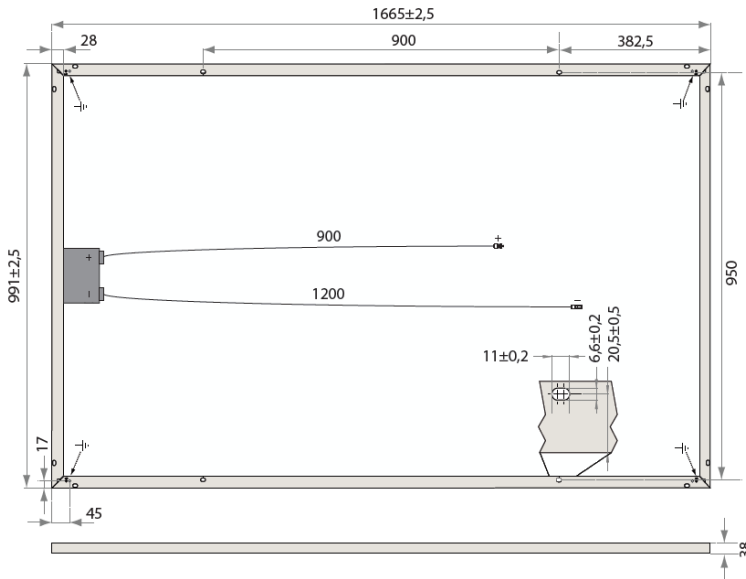
**5**  
**YEARS**  
 product  
 quality  
 warranty

**10**  
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 90% output  
 power  
 warranty

**25**  
**YEARS**  
 80% output  
 power  
 warranty

PALAMI-PV60-POLY series panels are one of the best choice for commercial and residential solar systems that combine long lasting product quality with reliable power output.

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### Electrical data (STC)

Values at standard test conditions (STC: air mass AM 1.5, irradiance 1000 W/m<sup>2</sup>, temperature 25°C), based on a production spread with a tolerance of VOC & ISC ±3% within one watt class. At low irradiance of 200 W/m<sup>2</sup> at least 95.5% of the STC module efficiency will be achieved.

Nominal Power - P <sub>MPP</sub> (Wp)	250	260	270	280
Watt Class Sorting - (W)	-0/+5	-0/+5	-0/+5	-0/+5
Nominal Power Voltage - V <sub>MPP</sub> (V)	30,1	30,6	31,3	32,1
Nominal Power Current - I <sub>MPP</sub> (A)	8,31	8,52	8,65	8,92
Open Circuit Voltage - V <sub>OC</sub> (V)	37,5	37,9	37,9	39,5
Short Circuit Current - I <sub>SC</sub> (A)	8,85	9,03	9,17	9,33
Panel Efficiency (%)	15,1	15,8	16,3	16,8

### Electric data (NOCT)

Nominal module operating temperature (NOCT: air mass AM 1.5, irradiance 800 W/m<sup>2</sup>, temperature 20°C, windspeed 1 m/s).

Nominal Power - P <sub>MPP</sub> (Wp)	184	189	197	205
Nominal Power Voltage - V <sub>MPP</sub> (V)	27,8	28,4	28,7	29,2
Nominal Power Current - I <sub>MPP</sub> (A)	6,59	6,75	6,88	6,99
Open Circuit Voltage - V <sub>OC</sub> (V)	34,8	35,1	35,8	36,2
Short Circuit Current - I <sub>SC</sub> (A)	7,09	7,22	7,35	7,48

### Panel data

Cells:	60x A-grade polycrystalline cells
Glass:	3mm/4mm anti-reflective solar glass
Backsheet:	Polymeric
Frame:	Anodized aluminum
Junction box:	3 bypass diodes, IP67
Cable:	4mm <sup>2</sup> TUV certified solar cable
Connectors:	4mm <sup>2</sup> TL-Cable 01
Dimensions:	1665mm x 991mm x 38mm
Area:	1,65m <sup>2</sup>
Weight:	17,9kg

### Ratings & Temperatures

Operational temperature:	-40 ... +85°C
Nominal Operating Temperature:	45.9°C (±2°C)
Temperature coefficient of P <sub>MPP</sub>	-0.40 %/°C
Temperature coefficient of V <sub>OC</sub>	-0.27 %/°C
Temperature coefficient of I <sub>SC</sub>	0.025 %/°C
Maximum system voltage (VDC):	1000 V
Max series fuse rating:	25A
Max reverse current:	25A
Mechanical Design load (snow):	>4400Pa

IEC 61215, IEC 61730 & UL 1703 MCS 005  
IEC 62804 (PID)  
UNI 8457/9174 (Class A)  
ISO 11925-2 (Class E)  
ISO 9001: 2015  
ISO 14001: 2004  
OHSAS 18001: 2007





**PALAMI-PV72-Poly300**  
**PALAMI-PV72-Poly310**  
**PALAMI-PV72-Poly320**  
**PALAMI-PV72-Poly330**

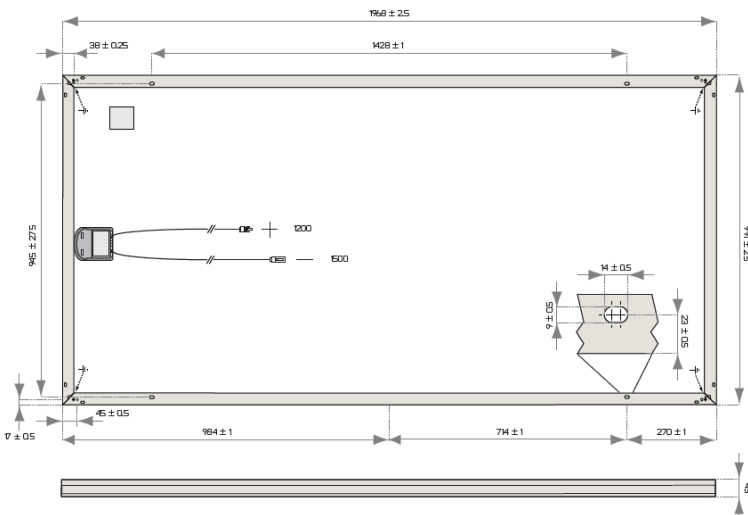
**5**  
**YEARS**  
product  
quality  
warranty

**10**  
**YEARS**  
90% output  
power  
warranty

**25**  
**YEARS**  
80% output  
power  
warranty

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### Electrical data (STC)

Values at standard test conditions (STC: air mass AM 1.5, irradiance 1000 W/m<sup>2</sup>, temperature 25°C), based on a production spread with a tolerance of VOC & ISC ±3% within one watt class. At low irradiance of 200 W/m<sup>2</sup> at least 95.5% of the STC module efficiency will be achieved.

Nominal Power - P <sub>MPP</sub> (Wp)		300	310	320	330
Watt Class Sorting - (W)		-0/+5	-0/+5	-0/+5	-0/+5
Nominal Power Voltage - V <sub>MPP</sub> (V)	✓	36,6	37,1	37,9	38,9
Nominal Power Current - I <sub>MPP</sub> (A)	✓	8,23	8,33	8,46	8,48
Open Circuit Voltage - V <sub>OC</sub> (V)	✓	45,0	45,4	46,2	46,5
Short Circuit Current - I <sub>SC</sub> (A)	✓	8,77	8,87	8,99	9,07
Panel Efficiency (%)	✓	15,5	15,8	16,3	16,8

### Electric data (NOCT)

Nominal module operating temperature (NOCT: air mass AM 1.5, irradiance 800 W/m<sup>2</sup>, temperature 20°C, windspeed 1 m/s).

Nominal Power - P <sub>MPP</sub> (Wp)		218	225	233	241
Nominal Power Voltage - V <sub>MPP</sub> (V)	✓	30,0	30,5	30,9	31,3
Nominal Power Current - I <sub>MPP</sub> (A)	✓	7,28	7,41	7,55	7,68
Open Circuit Voltage - V <sub>OC</sub> (V)	✓	36,9	37,5	38,1	38,5
Short Circuit Current - I <sub>SC</sub> (A)	✓	7,68	7,78	7,89	8,02

### Panel data

Cells:	72x A-grade polycrystalline cells
Glass:	3mm/4mm anti-reflective solar glass
Backsheet:	Polymeric
Frame:	Anodized aluminum
Junction box:	3 bypass diodes, IP67
Cable:	4mm <sup>2</sup> TUV certified solar cable
Connectors:	4mm <sup>2</sup> TL-Cable 01
Dimensions:	1968mm x 991mm x 45mm
Area:	1,95m <sup>2</sup>
Weight:	27,5kg

### Ratings & Temperatures

Operational temperature:	-40 ... +85°C
Nominal Operating Temperature:	46.6°C (±2°C)
Temperature coefficient of P <sub>MPP</sub>	-0.40 %/°C
Temperature coefficient of V <sub>OC</sub>	-0.27 %/°C
Temperature coefficient of I <sub>SC</sub>	0.013 %/°C
Maximum system voltage (VDC):	1000 V / 1500 V
Max series fuse rating:	25A
Max reverse current:	25A
Mechanical Design load (snow):	>5400Pa

IEC 61215, IEC 61730 & UL 1703 MCS 005  
IEC 62804 (PID)  
UNI 8457/9174 (Class A)  
ISO 11925-2 (Class E)  
ISO 9001: 2015  
ISO 14001: 2004  
OHSAS 18001: 2007

