



# AZIMUT POLYCRYSTALLINE



Product Made in Italy



Warranty on production defects: 12 years



Classification Only positive MPP +3 / -0% = + kWh produced each year



Periodic Factory inspection by TÜV Intercert



CLASS 1 Reaction to fire according to the UNI 9177 standard



Ammonia test according to IEC 62716 Salt mist test according to IEC 61701



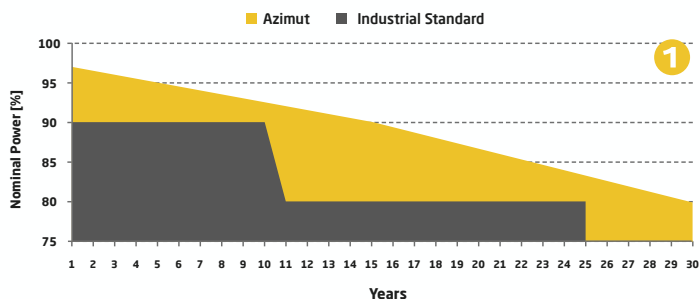
Member of the end-of-life panel recycling zero hassle to customers



Panel certifications IEC 61215 EN 61730

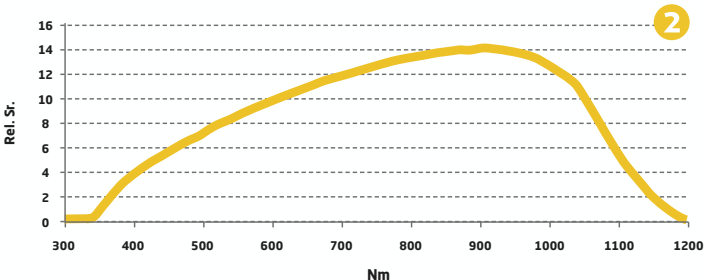


100% product traceability



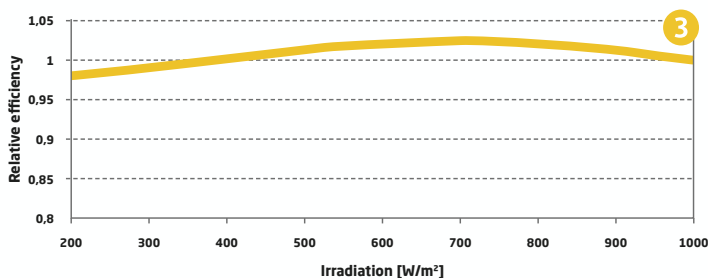
### 1 Warranty on rated output

30-year warranty period on output: 97% after 1 year, 90% after 15 years, 80% after 30 years



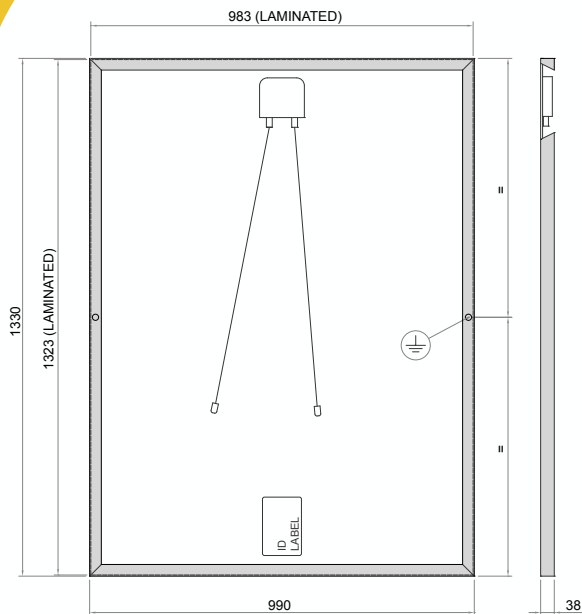
### 2 Typical spectral response

### 3 Performance at low irradiance



The graph shows the change in terms of module efficiency with a variation in irradiation spanning from 200 W/m<sup>2</sup> to 1000 W/m<sup>2</sup> (with 25 °C and AM 1.5 spectrum) is equal to -2% (relative).

# AZM486P



## Electrical characteristics under STC (1.5 AM, IRR 1000w/m<sup>2</sup>; temperature 25±2 °C)

<b>Model</b>		<b>200</b>
<b>Nominal power P<sub>nom</sub></b>	W	200
<b>Classification in Power</b>	%	- 0 / + 3
<b>Voltage at P<sub>max</sub> V<sub>mp</sub></b>	V	24,82
<b>Current at P<sub>max</sub> I<sub>mp</sub></b>	A	8,06
<b>Open-circuit voltage V<sub>oc</sub></b>	V	30,41
<b>Short-circuit voltage I<sub>sc</sub></b>	A	8,6
<b>Module efficiency</b>	%	15,19

## Electrical characteristics under NOCT conditions (IRR 800 w/m<sup>2</sup>; RT = 20°C; t. Cells = 43°C; wind speed = 1 m/s, 1.5 AM)

<b>Nominal power P<sub>nom</sub></b>	W	146
<b>Voltage at P<sub>max</sub> V<sub>mp</sub></b>	V	22,73
<b>Current at P<sub>max</sub> I<sub>mp</sub></b>	A	6,44
<b>Open-circuit voltage V<sub>oc</sub></b>	V	27,83
<b>Short-circuit voltage I<sub>sc</sub></b>	A	6,87

Precision of measurement under STC: MPP ≤ 3%; Voc, Vmp, Isc, Imp ≤ 10%  
Precision of measurement under NOCT conditions: MPP ≤ 5%; Voc, Vmp, Isc, Imp ≤ 10%

<b>Glass</b>	Prismatic tempered glass with high U value. Thickness of framed panels 3.2 mm and thickness for laminated panels 4 mm
<b>Cells</b>	48 (6x8) polycrystalline, 156 x 156 mm
<b>Junction box</b>	IP65.3 bypass diodes, 4 mm cables w/length 100 (+) / 100 (-) cm <sup>2</sup>
<b>Connectors</b>	IP68, PV4 single-contact connectors
<b>Dimensions</b>	1330 x 990 mm +/- 1 mm (L=1323 x 983 mm)
<b>Weight</b>	16 +/- 1 kg
<b>Version</b>	Black backsheet (N), (T), laminated (L), black laminated (LN), transparent laminated (LT).

## Electrical characteristics under NOCT conditions (IRR 800 w/m<sup>2</sup>; RT = 20°C; t. Cells = 43°C; wind speed = 1 m/s, 1.5 AM)

<b>Model</b>		<b>225</b>
<b>Nominal power P<sub>nom</sub></b>	W	225
<b>Classificazione in Potenza</b>	%	- 0 / + 3
<b>Voltage at P<sub>max</sub> V<sub>mp</sub></b>	V	28
<b>Current at P<sub>max</sub> I<sub>mp</sub></b>	A	8,04
<b>Open-circuit voltage V<sub>oc</sub></b>	V	34,21
<b>Short-circuit voltage I<sub>sc</sub></b>	A	8,6
<b>Module efficiency</b>	%	15,25

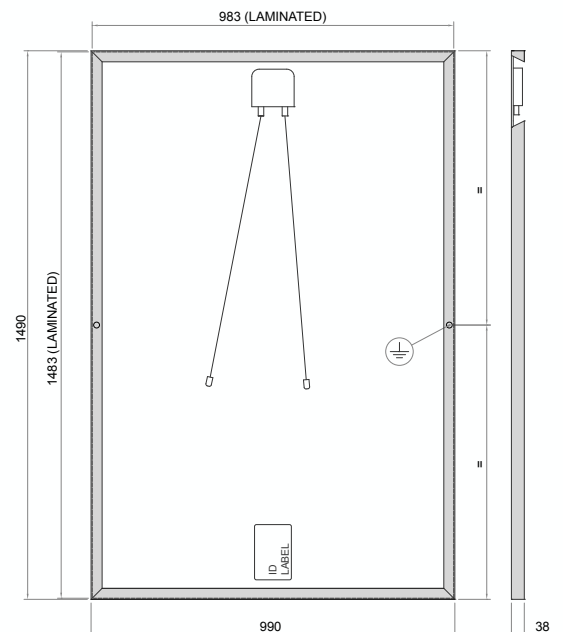
## Electrical characteristics under NOCT conditions (IRR 800 w/m<sup>2</sup>; RT = 20°C; t. Cells = 43°C; wind speed = 1 m/s, 1.5 AM)

<b>Nominal power P<sub>nom</sub></b>	W	165
<b>Voltage at P<sub>max</sub> V<sub>mp</sub></b>	V	25,64
<b>Current at P<sub>max</sub> I<sub>mp</sub></b>	A	6,42
<b>Open-circuit voltage V<sub>oc</sub></b>	V	31,30
<b>Short-circuit voltage I<sub>sc</sub></b>	A	6,87

Precision of measurement under STC: MPP ≤ 3%; Voc, Vmp, Isc, Imp ≤ 10%  
Precision of measurement under NOCT conditions: Pmp ≤ 5%; Voc, Vmp, Isc, Imp ≤ 10%

<b>Glass</b>	Prismatic tempered glass with high U value. Thickness of framed panels 3.2 mm and thickness for laminated panels 4 mm.
<b>Cells</b>	54 (6x9) polycrystalline, 156 x 156 mm
<b>Junction box</b>	IP65.3 bypass diodes, 4 mm cables w/length 100 (+) / 100 (-) cm <sup>2</sup>
<b>Connectors</b>	IP68, PV4 single-contact connectors
<b>Dimensions</b>	1490x 990 mm +/- 1 mm (L=1483 x 983 mm)
<b>Weight</b>	18 kg
<b>Version</b>	Black backsheet (N), (T), laminated (L), black laminated (LN), transparent laminated (LT).

# AZM546P





**Electrical characteristics under STC  
(1.5 AM, IRR 1000w/m<sup>2</sup>; temperature 25±2 °C)**

Model		240	245	250	255
Nominal power P <sub>nom</sub>	W	240	245	250	255
Classification in Power	%		- 0 / + 3		
Voltage at Pmax V <sub>mp</sub>	V	30,41	30,72	31,02	31,31
Current at Pmax I <sub>mp</sub>	A	7,89	7,97	8,06	8,14
Open-circuit voltage V <sub>oc</sub>	V	37,38	37,70	38,01	38,32
Short-circuit voltage I <sub>sc</sub>	A	8,40	8,50	8,60	8,70
Module efficiency	%	14,69	15,00	15,30	15,61

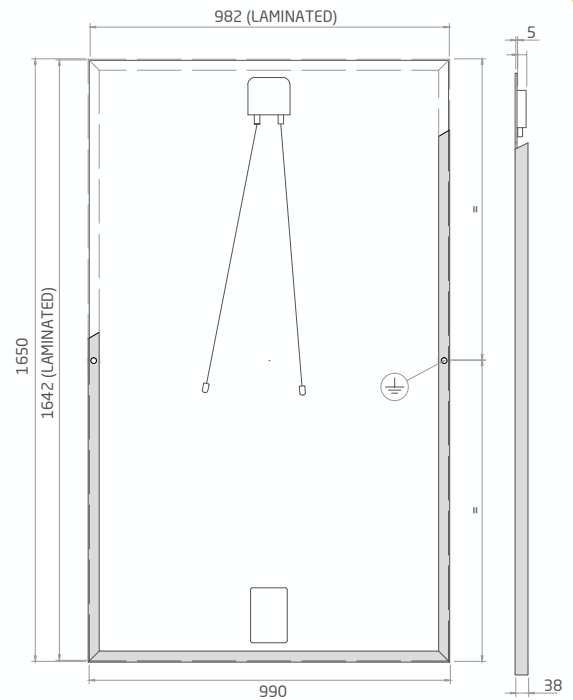
**Electrical characteristics under NOCT conditions  
(IRR 800 w/m<sup>2</sup>; RT = 20°C; t. Cells = 43°C; wind speed = 1 m/s, 1.5 AM)**

Nominal power P <sub>nom</sub>	W	176	179	183	187
Voltage at Pmax V <sub>mp</sub>	V	27,85	28,13	28,41	28,67
Current at Pmax I <sub>mp</sub>	A	6,31	6,37	6,44	6,51
Open-circuit voltage V <sub>oc</sub>	V	34,20	34,49	34,78	35,06
Short-circuit voltage I <sub>sc</sub>	A	6,71	6,79	6,87	6,95

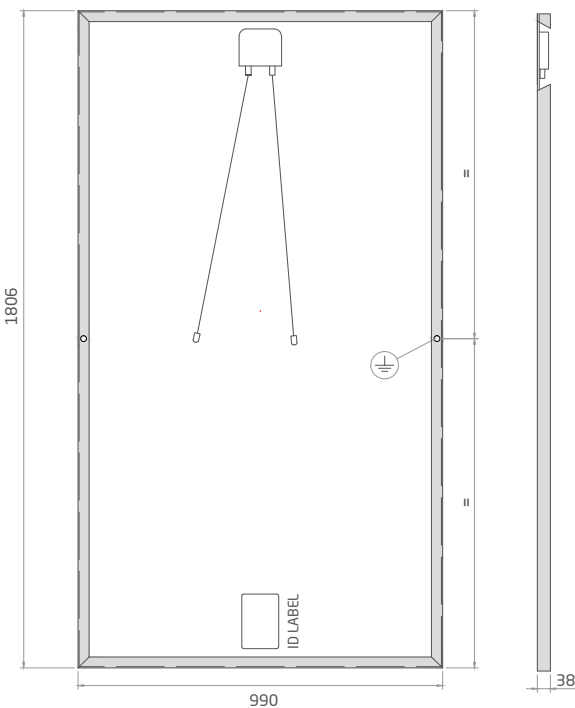
Precision of measurement under STC: MPP ≤ 3%; Voc, Vmp, Isc, Imp ≤ 10%  
Precision of measurement under NOCT conditions: MPP ≤ 5%; Voc, Vmp, Isc, Imp ≤ 10%

<b>Glass</b>	Prismatic tempered glass with high U value. Thickness of framed panels 3.2 mm and thickness for laminated panels 4 mm.
<b>Cells</b>	60 (6x10) polycrystalline, 156 x 156 mm
<b>Junction box</b>	IP65.3 bypass diodes, 4 mm cables w/length 100 (+) / 100 (-) cm <sup>2</sup>
<b>Connectors</b>	IP68, PV4 single-contact connectors
<b>Dimensions</b>	1650 x 990 mm +/- 1 mm (L=1642 x 982 mm)
<b>Weight</b>	19,5 +/- 1 kg
<b>Version</b>	Black backsheet (N), (T), laminated (L), black laminated (LN), transparent laminated (LT).

# AZM606P



# AZM666P



**Electrical characteristics under STC  
(1.5 AM, IRR 1000w/m<sup>2</sup>; temperature 25±2 °C)**

Model		265	270	275
Nominal power P <sub>nom</sub>	W	265	270	275
Classification in Power	%		- 0 / + 3	
Voltage at Pmax V <sub>mp</sub>	V	33,38	33,65	33,92
Current at Pmax I <sub>mp</sub>	A	7,94	8,02	8,11
Open-circuit voltage V <sub>oc</sub>	V	41,27	41,55	41,81
Short-circuit voltage I <sub>sc</sub>	A	8,40	8,50	8,60
Module efficiency	%	14,85	15,13	15,41

**Electrical characteristics under NOCT conditions  
(IRR 800 w/m<sup>2</sup>; RT = 20°C; t. Cells = 43°C; wind speed = 1 m/s, 1.5 AM)**

Nominal power P <sub>nom</sub>	W	194	198	201
Voltage at Pmax V <sub>mp</sub>	V	30,56	30,81	31,06
Current at Pmax I <sub>mp</sub>	A	6,34	6,41	6,48
Open-circuit voltage V <sub>oc</sub>	V	37,76	38,01	38,26
Short-circuit voltage I <sub>sc</sub>	A	6,71	6,79	6,87

Precision of measurement under STC: Pmp ≤ 3%; Voc, Vmp, Isc, Imp ≤ 10%  
Precision of measurement under NOCT conditions: Pmp ≤ 5%; Voc, Vmp, Isc, Imp ≤ 10%

<b>Glass</b>	Prismatic tempered glass with high U value. Thickness 4 mm.
<b>Cells</b>	66 (6x11) policrystalline, 156 x 156 mm
<b>Junction box</b>	IP65.3 bypass diodes, 4 mm cables w/length 100 (+) / 100 (-) cm <sup>2</sup>
<b>Connectors</b>	IP68, PV4 single-contact connectors
<b>Dimensions</b>	1806 x 990 mm +/- 1 mm
<b>Weight</b>	23,5 +/- 1 kg
<b>Version</b>	Black backsheet (N), transparent backsheet (T).

# AZM726P

## ELECTRICAL CHARACTERISTICS UNDER STC (1.5 AM, IRR 1000w/m<sup>2</sup>; temperature 25±2 °C)

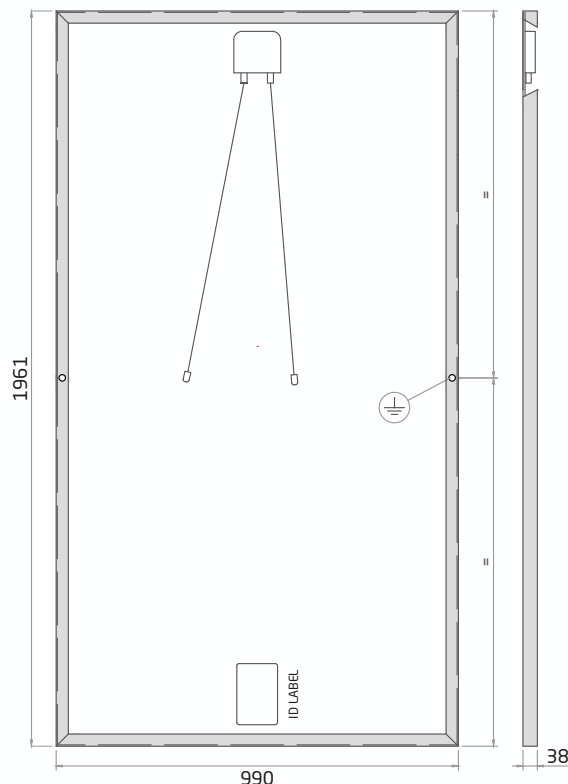
Model		290	295	300
Nominal power P <sub>nom</sub>	W	290	295	300
Classification in Power	%		- 0 / + 3	
Voltage at Pmax V <sub>mp</sub>	V	36,56	36,81	37,04
Current at Pmax I <sub>mp</sub>	A	7,93	8,01	8,10
Open-circuit voltage V <sub>oc</sub>	V	45,16	45,39	45,62
Short-circuit voltage I <sub>sc</sub>	A	8,40	8,50	8,60
Module efficiency	%	14,97	15,23	15,48

## Electrical characteristics under NOCT conditions (IRR 800 w/m<sup>2</sup>; RT = 20°C; t. Cells = 43°C; wind speed = 1 m/s, 1.5 AM)

Model		290	295	300
Nominal power P <sub>nom</sub>	W	212	216	219
Voltage at Pmax V <sub>mp</sub>	V	33,48	33,70	33,92
Current at Pmax I <sub>mp</sub>	A	6,34	6,40	6,47
Open-circuit voltage V <sub>oc</sub>	V	41,32	41,53	41,74
Short-circuit voltage I <sub>sc</sub>	A	6,71	6,79	6,87

Precision of measurement under STC: P<sub>mp</sub> ≤ 3%; V<sub>oc</sub>, V<sub>mp</sub>, I<sub>sc</sub>, I<sub>mp</sub> ≤ 10%  
Precision of measurement under NOCT conditions: P<sub>mp</sub> ≤ 5%; V<sub>oc</sub>, V<sub>mp</sub>, I<sub>sc</sub>, I<sub>mp</sub> ≤ 10%

<b>Glass</b>	Prismatic tempered glass with high U value. Thickness 4 mm.
<b>Cells</b>	72 (6x12) polycrystalline, 156 x 156 mm
<b>Junction box</b>	IP65, 4 bypass diodes, 4 mm cables w/length 100 (+) / 100 (-) cm2
<b>Connectors</b>	IP68, PV4 single-contact connectors
<b>Dimensions</b>	1961 x 990 mm +/- 1 mm
<b>Weight</b>	25 +/- 1 kg
<b>Version</b>	Black backsheet (N), transparent backsheet (T).



Please note: in case of landscape installation a 25-cm-long extension cable with MC4 connectors is necessary.

## Operation Characteristics/Build

Maximum system voltage	V	1000
Maximum series fuse rating I <sub>r</sub>	A	13
Temperature coefficient P <sub>mp</sub> (γ)	%/°C	-0,42
Temperature coefficient V <sub>oc</sub> (β)	%/°C	-0,32
Temperature coefficient I <sub>sc</sub> (α)	%/°C	0,08
NOCT	°C	43 +/-1
Service temperature	°C	from -40°C to +85°C
Safety class		II
Snow load / Max. wind speed	Pa	5400
Resistance to hail impact		Ø 25 mm at 83 km/h
Encapsulating agent		2 sheets of 0.46 mm EVA
Protective backing		Multilayer polyester lamination, 0.32 mm thick
Frame		Al 6060 T5, thickness 38 mm