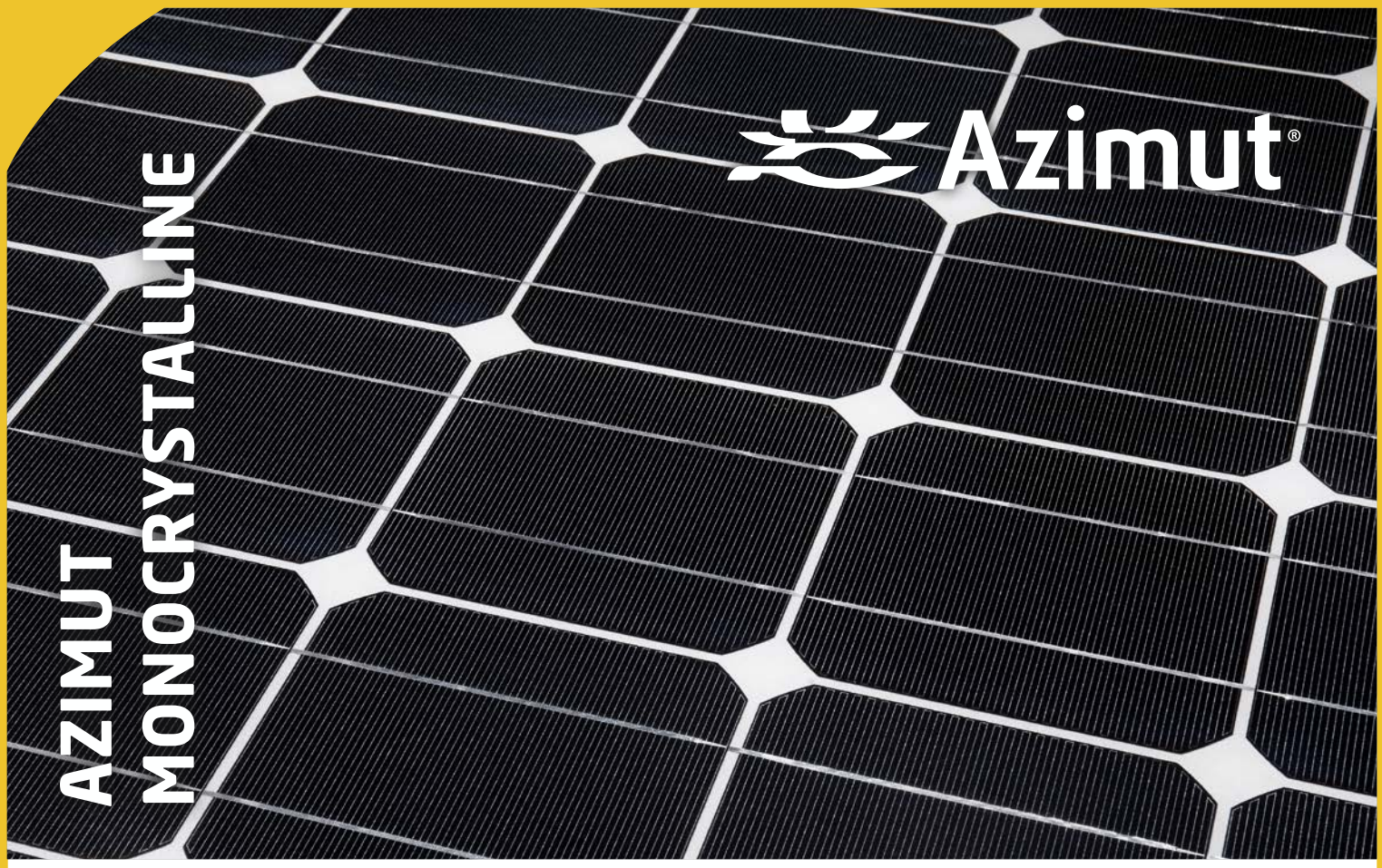


Product Made in Italy

Warranty on production defects: 12 years

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

Periodic Factory inspection by TÜV Intercert

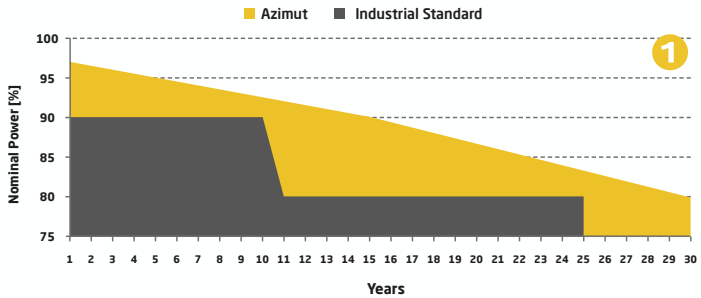
CLASS 1 Reaction to fire according to the UNI 9177 standard

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

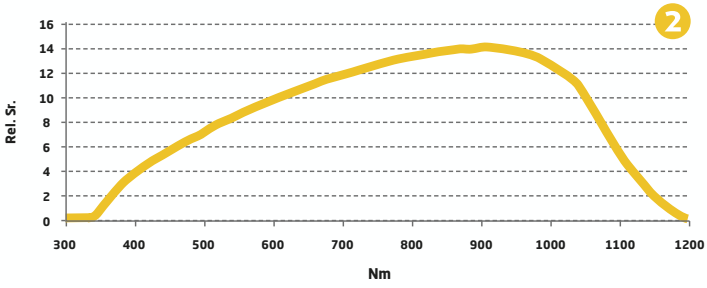
100% product traceability

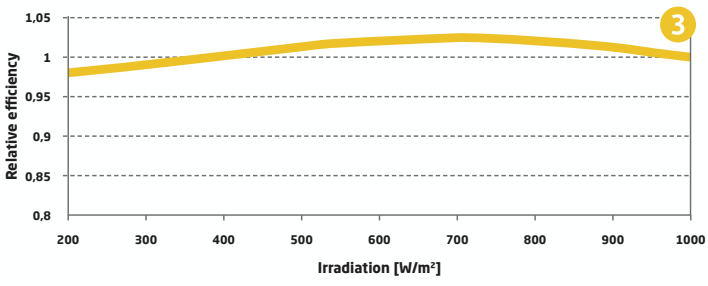


1 Warranty on rated output
30-year warranty period on output:
97% after 1 year, 90% after 15 years, 80% after 30 years

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/m² to 1000 W/m² (with 25 °C and AM 1.5 spectrum) is equal to -2% (relative).

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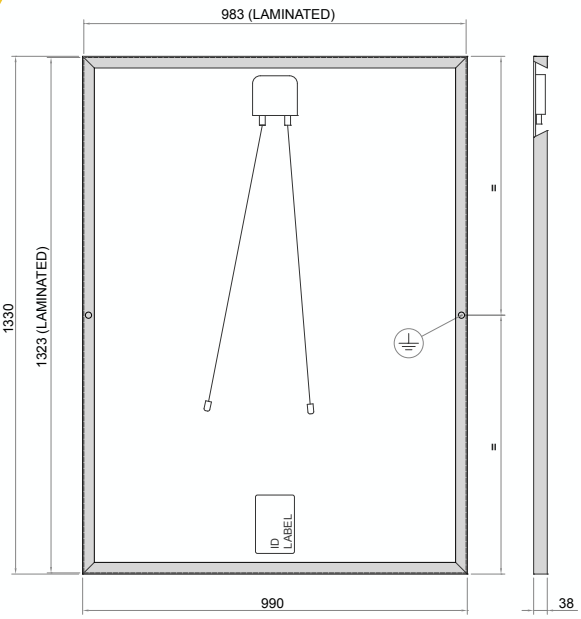


Electrical characteristics under STC (1.5 AM, IRR 1000 w/m2; temperature 25±2 °C)

Model		205
Nominal power P_{nom}	W	205
Classification in Power	%	0 / + 3
Voltage at Pmax Vmp	V	24,91
Current at Pmax Imp	A	8,23
Open-circuit voltage V_{oc}	V	29,55
Short-circuit voltage I_{sc}	A	8,95
Module efficiency	%	15,57

Electrical characteristics under NOCT conditions (IRR 800 w/m2; RT = 20°c; t. Cells = 44°C; wind speed = 1 m/s, 1.5 AM)

Nominal power P_{nom}	W	150
Voltage at Pmax Vmp	V	22,81
Current at Pmax Imp	A	6,58
Open-circuit voltage V_{oc}	V	27,04
Short-circuit voltage I_{sc}	A	7,11

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%

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

AZM546M

Electrical characteristics under STC (1.5 AM, IRR 1000 w/m2; temperature 25±2 °C)

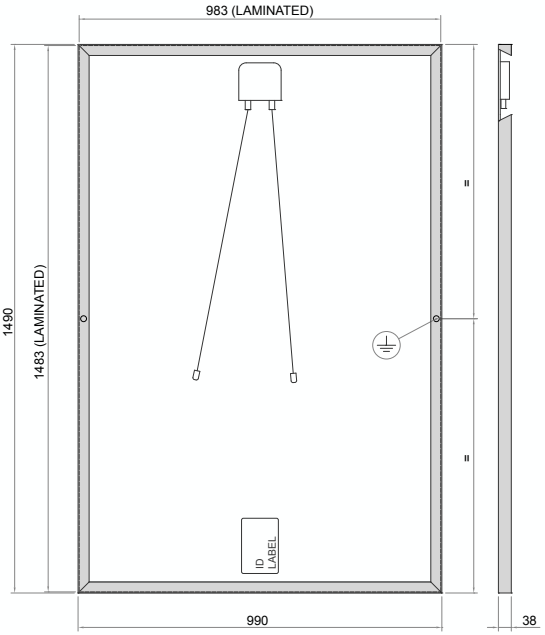
Model		225
Nominal power P_{nom}	W	225
Classification in Power	%	- 0 / + 3
Voltage at Pmax Vmp	V	27,57
Current at Pmax Imp	A	8,16
Open-circuit voltage V_{oc}	V	32,80
Short-circuit voltage I_{sc}	A	8,85
Module efficiency	%	15,25

Electrical characteristics under NOCT conditions (IRR 800 w/m2; RT = 20°c; t. Cells = 43°C; wind speed = 1 m/s, 1.5 AM)

Nominal power P_{nom}	W	165
Voltage at Pmax Vmp	V	25,25
Current at Pmax Imp	A	6,52
Open-circuit voltage V_{oc}	V	30,02
Short-circuit voltage I_{sc}	A	7,03

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%

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



AZM606M

Electrical characteristics under STC (1.5 AM, IRR 1000 w/m2; temperature 25±2 °C)

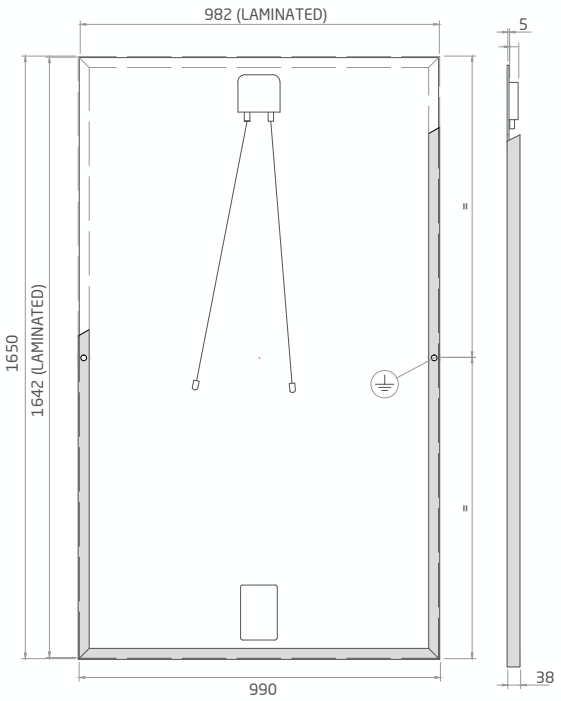
Model		255	260	265
Nominal power P_{nom}	W	255	260	265
Classification in Power	%		0 / + 3	
Voltage at Pmax Vmp	V	31,10	31,33	31,56
Current at Pmax Imp	A	8,20	8,30	8,40
Open-circuit voltage V_{oc}	V	36,97	37,27	37,56
Short-circuit voltage I_{sc}	A	8,90	9,00	9,10
Module efficiency	%	15,61	15,92	16,22

Electrical characteristics under NOCT conditions (IRR 800 w/m2; RT = 20°c; t. Cells = 44°C; wind speed = 1 m/s, 1.5 AM)

Nominal power P_{nom}	W	187	190	194
Voltage at Pmax Vmp	V	28,48	28,69	28,90
Current at Pmax Imp	A	6,55	6,63	6,71
Open-circuit voltage V_{oc}	V	33,83	34,10	34,37
Short-circuit voltage I_{sc}	A	7,07	7,15	7,23

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%

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



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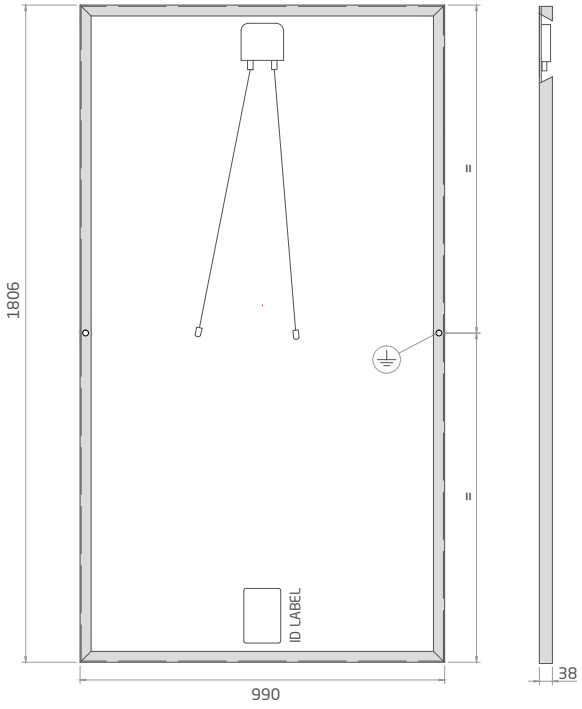


Electrical characteristics under STC (1.5 AM, IRR 1000 w/m2; temperature 25±2 °C)

Model		280
Nominal power P_{nom}	W	280
Classification in Power	%	0 / + 3
Voltage at Pmax Vmp	V	34,23
Current at Pmax Imp	A	8,18
Open-circuit voltage V_{oc}	V	40,59
Short-circuit voltage I_{sc}	A	8,90
Module efficiency	%	15,69

Electrical characteristics under NOCT conditions (IRR 800 w/m2; RT = 20°c; t. Cells = 44°C; wind speed = 1 m/s, 1.5 AM)

Nominal power P_{nom}	W	205
Voltage at Pmax Vmp	V	31,34
Current at Pmax Imp	A	6,54
Open-circuit voltage V_{oc}	V	37,14
Short-circuit voltage I_{sc}	A	7,07

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%

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

AZM726M

Electrical characteristics under STC (1.5 AM, IRR 1000w/m2; temperature 25±2 °C)

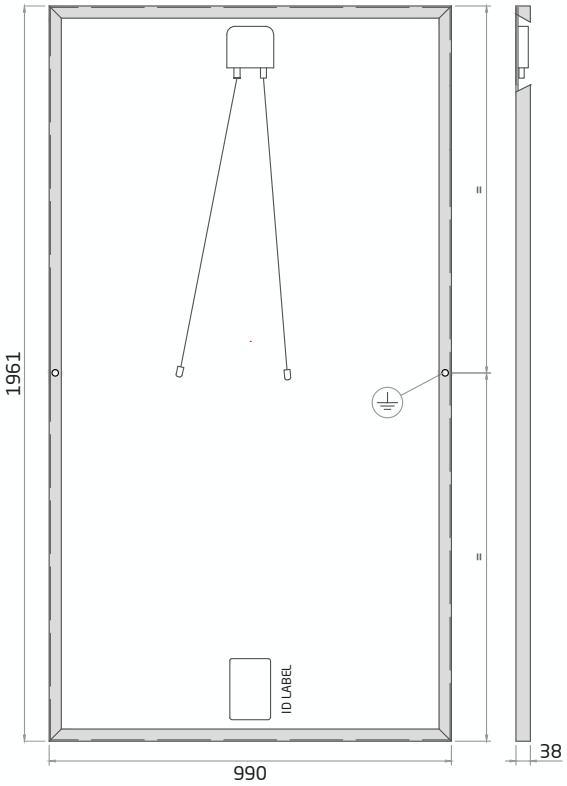
Model		305
Nominal power P_{nom}	W	305
Classification in Power	%	- 0 / + 3
Voltage at Pmax Vmp	V	37,24
Current at Pmax Imp	A	8,19
Open-circuit voltage V_{oc}	V	44,22
Short-circuit voltage I_{sc}	A	8,90
Module efficiency	%	15,74

Electrical characteristics under NOCT conditions (IRR 800 W/m2; RT = 20°c; t. Cells = 43°C; wind speed = 1 m/s, 1.5 AM)

Nominal power P_{nom}	W	223
Voltage at Pmax Vmp	V	34,10
Current at Pmax Imp	A	6,54
Open-circuit voltage V_{oc}	V	40,46
Short-circuit voltage I_{sc}	A	7,07

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%

Glass	Prismatic tempered glass with high U value. Thickness 4 mm.
Cells	72 (6x12) monocrystalline, 156 x 156 mm
Junction box	IP65, 4 bypass diodes, 4 mm cables w/length 100 (+) / 100 (-) cm2
Connectors	IP68, PV4 single-contact connectors
Dimensions	1961 x 990 mm +/- 1 mm
Weight	25 +/- 1 kg
Version	Black back sheet (N), transparent back sheet (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_R	A	13
Temperature coefficient MPP (ɣ)	%/°C	-0,48
Temperature coefficient V_{oc} (β)	%/°C	-0,38
Temperature coefficient I_{sc} (α)	%/°C	0,07
NOCT	°C	44 +/-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	
Frame	Al 6060 T5, thickness 38 mm	

Data sheet compliant with EN 50380.