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Solar Panel Guide

Specification Data Sheet

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

Model		240	245	250	255
Nominal power P_{nom}	W	240	245	250	255
Classification in Power	%	- 0 / + 3			
Voltage at Pmax V_{mp}	V	30,41	30,72	31,02	31,31
Current at Pmax I_{mp}	A	7,89	7,97	8,06	8,14
Open-circuit voltage V_{oc}	V	37,38	37,70	38,01	38,32
Short-circuit voltage I_{sc}	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/m²; RT = 20°C; t. Cells = 43°C; wind speed = 1 m/s, 1.5 AM)

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

Precision of measurement under STC: MPP ≤ 3%; V_{oc} , V_{mp} , I_{sc} , I_{mp} ≤ 10%

Precision of measurement under NOCT conditions: MPP ≤ 5%; V_{oc} , V_{mp} , I_{sc} , I_{mp} ≤ 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) polycrystalline, 156 x 156 mm

Junction box IP65.3 bypass diodes, 4 mm cables w/length 100 (+) / 100 (-) cm²

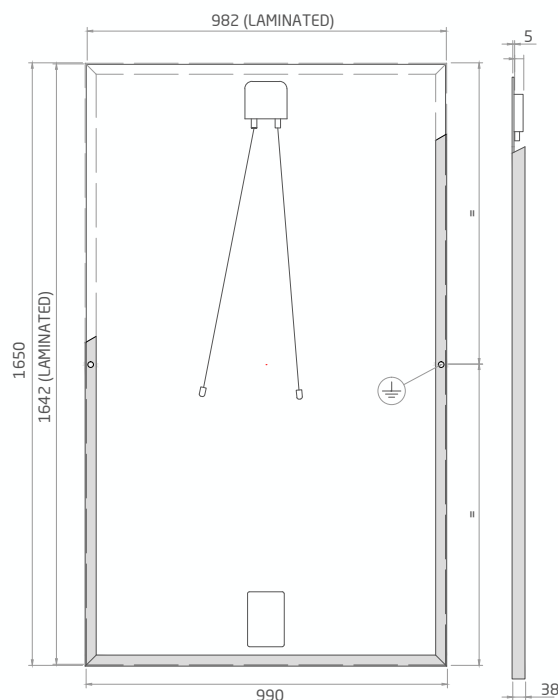
Connectors IP68, PV4 single-contact connectors

Dimensions 1650 x 990 mm +/- 1 mm (L=1642 x 982 mm)

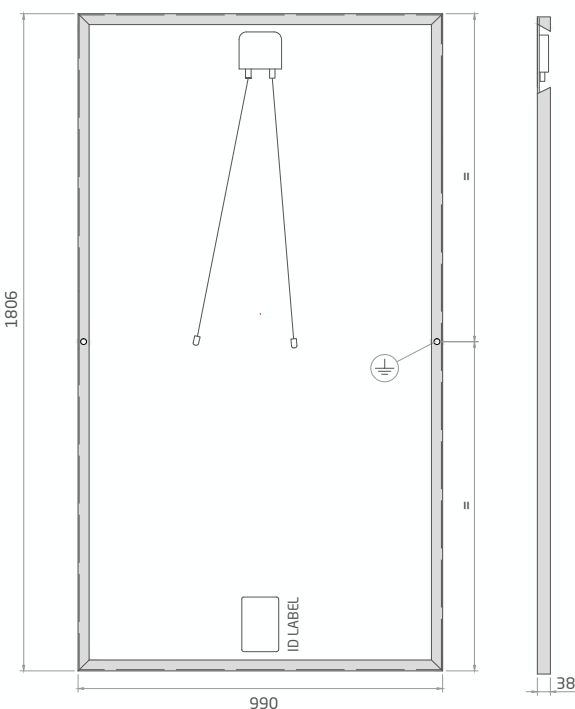
Weight 19,5 +/- 1 kg

Version Black backsheet (N), (T), laminated (L), black laminated (LN), transparent laminated (LT).

AZM606P



AZM666P



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

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

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	194	198	201
Voltage at Pmax V_{mp}	V	30,56	30,81	31,06
Current at Pmax I_{mp}	A	6,34	6,41	6,48
Open-circuit voltage V_{oc}	V	37,76	38,01	38,26
Short-circuit voltage I_{sc}	A	6,71	6,79	6,87

Precision of measurement under STC: P_{mp} ≤ 3%; V_{oc} , V_{mp} , I_{sc} , I_{mp} ≤ 10%

Precision of measurement under NOCT conditions: P_{mp} ≤ 5%; V_{oc} , V_{mp} , I_{sc} , I_{mp} ≤ 10%

Glass Prismatic tempered glass with high U value. Thickness 4 mm.

Cells 66 (6x11) polycrystalline, 156 x 156 mm

Junction box IP65.3 bypass diodes, 4 mm cables w/length 100 (+) / 100 (-) cm²

Connectors IP68, PV4 single-contact connectors

Dimensions 1806 x 990 mm +/- 1 mm

Weight 23,5 +/- 1 kg

Version Black backsheet (N), transparent backsheet (T).