

AZM726M

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

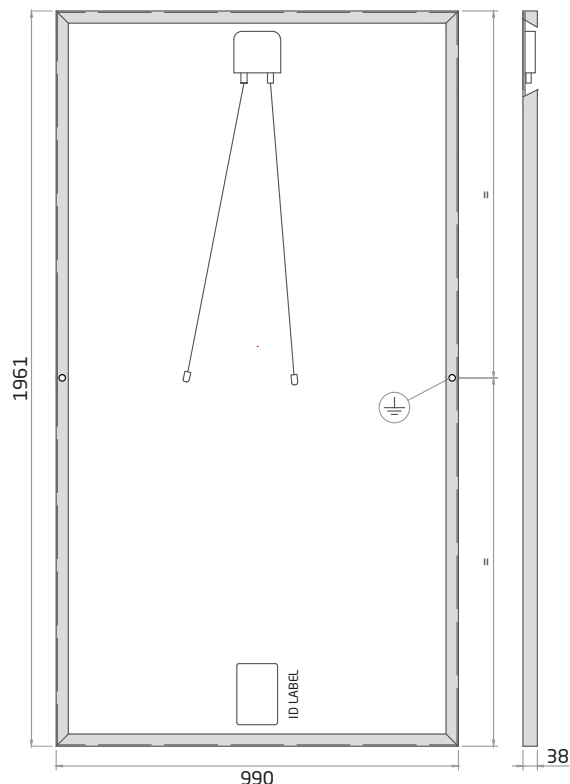
Model		305
Nominal power P _{nom}	W	305
Classification in Power	%	- 0 / + 3
Voltage at Pmax V _{mp}	V	37,24
Current at Pmax I _{mp}	A	8,19
Open-circuit voltage V _{oc}	V	44,22
Short-circuit voltage I _{sc}	A	8,90
Module efficiency	%	15,74

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 V _{mp}	V	34,10
Current at Pmax I _{mp}	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 (γ)	%/°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	