



Datasheet

Crystalline PV Module

ASM6610P Series

240

245

250

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260

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EN

ELECTRICAL SPECIFICATIONS ¹

STC ² rated output (P _{mpp})	240 Wp	245 Wp	250 Wp	255 Wp	260 Wp	265 Wp
Standard sorted output	-0/+5W					
Warranted power output STC (P _{nominal})	240 Wp	245 Wp	250 Wp	255 Wp	260 Wp	265 Wp
Rated voltage (V _{mpp}) at STC	29.86 V	30.12 V	30.38 V	30.64 V	30.90 V	31.16 V
Rated current (I _{mpp}) at STC	8.10 A	8.20 A	8.29 A	8.39 A	8.48 A	8.57 A
Open circuit voltage (V _{oc}) at STC	36.45 V	36.78 V	37.12 V	37.45 V	37.78 V	38.12 V
Short circuit current (I _{sc}) at STC	8.59 A	8.68 A	8.76 A	8.85 A	8.93 A	9.01 A
Module efficiency	14.67%	14.98%	15.28%	15.59%	15.98%	16.20%
Rated output (P _{mpp}) at NOCT ³	178.7 Wp	182.3 Wp	186.0 Wp	189.6 Wp	193.4 Wp	197.3 Wp
Rated voltage (V _{mpp}) at NOCT	27.83 V	28.07 V	28.31 V	28.56 V	28.80 V	28.90 V
Rated current (I _{mpp}) at NOCT	6.42 A	6.49 A	6.57 A	6.64 A	6.72 A	6.89 A
Open circuit voltage (V _{oc}) at NOCT	34.63 V	34.94 V	35.26 V	35.58 V	35.89 V	36.20 V
Short circuit current (I _{sc}) at NOCT	6.88 A	6.94 A	7.01 A	7.08 A	7.14 A	7.21 A

Temperature coefficient (P _{mpp})	- 0.42 % / K	Maximum system voltage	1000 V _{dc}
Temperature coefficient (I _{sc})	+0.059 % / K	Number of diodes	3
Temperature coefficient (V _{oc})	- 0.32 % / K	Reverse current loadability (IR)	20 A
Normal operating cell temperature (NOCT)	46 °C ±2 °C	Maximum series fuse rating	15 A

¹ Measuring uncertainty P_{mpp}: +/-3 %; Tolerance for V_{oc}, I_{sc}, V_{mpp} and I_{mpp}: +/-10 %

² Standard test conditions that are defined as follows:

1.000 W/m² irradiation at a spectral density of AM 1.5 and a cell temperature of 25° C,

³ Nominal operating temperature of the cell at 800 W/m² irradiation, 20°C ambient temperature, wind speed of 1 m/s

⁴ Manufactured in an UL 1703 certified facility



RELATED PARAMETERS

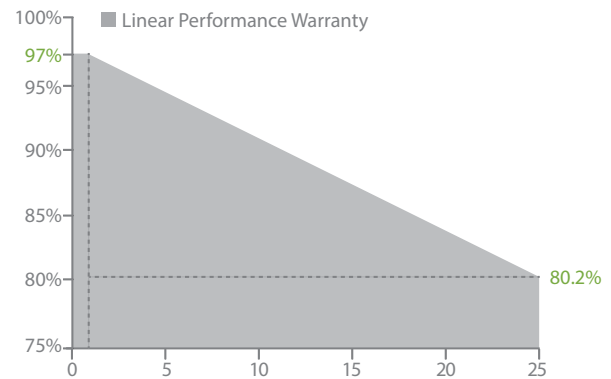
Cell type	Polycrystalline cell, 3-busbar technology
Number of cells / cell arrangement	60 / 6 x 10
Cells dimension	156 x 156 mm ²

MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H) ⁵	1654 x 989 x 40 mm
Frame technology	Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (white)
Weight (module only)	18.2 kg
Front glass thickness	3.2 mm
Junction box IP rating	IP 67
Cable length (UL)	1000 mm
Cable diameter (UL)	12 AWG
Maximum load capacity	6000 Pa
Fire performance	Type 2
Connector type (UL)	MC4 pluggable

QUALIFICATION AND LINEAR WARRANTIES

Product standard	UL ANSI/UL1703
Extended product warranty ⁶	10 years
Performance warranty ⁶	Linear performance warranty
Year 1	>97 % of warranted output power
Year 25	>80 % of warranted output power



MODULE DIMENSION DETAILS

Front view	Side view	Rear view	Frame cross section

⊙ No mounting holes on the frame.

⁵ Dimensional tolerance: +/-2 mm

⁶ According to the current warranty conditions of Astronergy Solarmodule GmbH

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