



Datasheet

Crystalline PV Module

ASM6610P(BF) Series

240

245

250

255

260

265

EN

ELECTRICAL SPECIFICATIONS ¹

STC ² rated output (P_{max})	240 Wp	245 Wp	250 Wp	255 Wp	260 Wp	265 Wp
Standard sorted output	-0/+3%					
Warranted power output STC ($P_{mpp\ min}$)	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 ISO9001/14001 certified facility



RELATED PARAMETERS

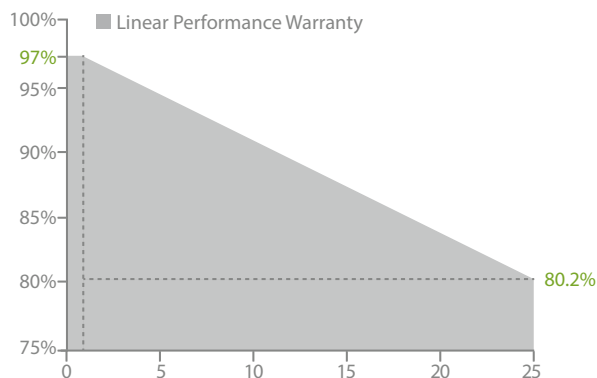
Cell type	Polycrystalline cell, 3-busbar technology
Number of cells / cell arrangement	60 / 6 x 10
Cells dimension	156 x 156 mm ²

MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H) ⁵	1654 x 989 x 40 mm
Frame technology	Aluminum, black 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	1000 mm
Cable diameter	4 mm ²
Maximum load capacity ⁶	6000 Pa
Fire class (IEC 61730)	C
Connector type	MC4 pluggable

QUALIFICATION AND LINEAR WARRANTIES

Product standard	IEC 61215 Ed. 2, IEC 61730
Extended product warranty ⁷	10 years
Performance warranty ⁷	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

⁵ Dimensional tolerance: +/-2 mm

⁶ In accordance with IEC 61215 Ed. 2

⁷ According to the current warranty conditions of Astronergy Solarmodule GmbH