

# Datasheet

## Crystalline PV Module

### ASM6610P(BL) Series

240	245	250	255	260	265	EN
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ELECTRICAL SPECIFICATIONS <sup>1</sup>						
STC <sup>2</sup> 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	30.38 V	30.61 V	30.84 V	31.07 V	31.30 V	31.53 V
Rated current ( $I_{mpp}$ ) at STC	7.98 A	8.08 A	8.19 A	8.29 A	8.39 A	8.49 A
Open circuit voltage ( $V_{oc}$ ) at STC	36.66 V	36.97 V	37.27 V	37.58 V	37.88 V	38.19 V
Short circuit current ( $I_{sc}$ ) at STC	8.43 A	8.52 A	8.61 A	8.70 A	8.79 A	8.89 A
Module efficiency	14.67%	14.98%	15.28%	15.59%	15.98%	16.20%
Rated output ( $P_{mpp}$ ) at NOCT <sup>3</sup>	174.5 Wp	178.1 Wp	181.7 Wp	185.3 Wp	189.0 Wp	192.7 Wp
Rated voltage ( $V_{mpp}$ ) at NOCT	27.17 V	27.38 V	27.58 V	27.79 V	27.99 V	28.20 V
Rated current ( $I_{mpp}$ ) at NOCT	6.42 A	6.50 A	6.59 A	6.67 A	6.75 A	6.83 A
Open circuit voltage ( $V_{oc}$ ) at NOCT	33.52 V	33.80 V	34.08 V	34.36 V	34.64 V	34.92 V
Short circuit current ( $I_{sc}$ ) at NOCT	6.75 A	6.82 A	6.90 A	6.97 A	7.04 A	7.11 A

Temperature coefficient ( $P_{mpp}$ )	-0.42% / K	Maximum system voltage	1000 V <sub>dc</sub>
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)	48°C ±2°C	Maximum series fuse rating	15 A

<sup>1</sup> Measuring uncertainty P<sub>mp</sub>: +/-3 %; Tolerance for V<sub>oc</sub>, I<sub>sc</sub>, V<sub>mp</sub> and I<sub>mp</sub>: +/-10 %

<sup>2</sup> Standard test conditions that are defined as follows:

1.000 W/m<sup>2</sup> irradiation at a spectral density of AM 1.5 and a cell temperature of 25°C,

<sup>3</sup> Nominal operating temperature of the cell at 800 W/m<sup>2</sup> irradiation, 20°C ambient temperature, wind speed of 1 m/s

<sup>4</sup> Manufactured in an ISO9001/14001 certified facility



## RELATED PARAMETERS

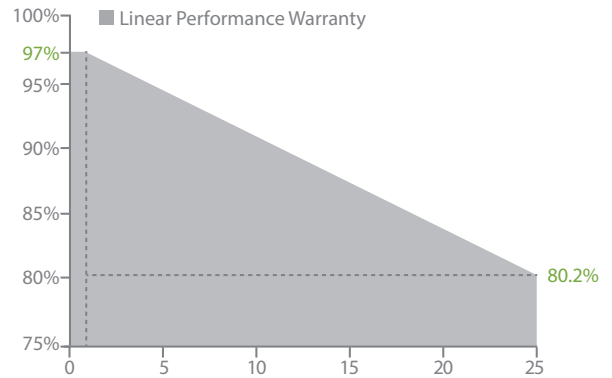
Cell type	Polycrystalline cell, 3-busbar technology
Number of cells / cell arrangement	60 / 6 x 10
Cells dimension	156 x 156 mm <sup>2</sup>

## MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H) <sup>5</sup>	1654 x 989 x 40 mm
Frame technology	Aluminum, black anodized
Module composition	Glass / EVA / Backsheet (black)
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 <sup>2</sup>
Maximum load capacity <sup>6</sup>	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 <sup>7</sup>	10 years
Performance warranty <sup>7</sup>	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

<sup>5</sup> Dimensional tolerance: +/-2 mm

<sup>6</sup> In accordance with IEC 61215 Ed. 2

<sup>7</sup> According to the current warranty conditions of Astronergy Solarmodule GmbH

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