



## *SOLON Blue 220/03*

Polycrystalline solar modules.

- › Recognized SOLON quality
- › High-performance modules with excellent efficiency
- › Highly efficient cell technologies provided by leading manufacturers
- › Optimal output over decades with very good low light response
- › 25 year SOLON performance guarantee
- › SOLON solar insurance

# SOLON Blue 220/03

## Technical features:

- Highly efficient polycrystalline cell technology
- Module efficiency of up to 13.7%
- Excellent low-light response
- 4-mm solar glass and twin-wall frame profile for highest load capacity

## SOLON advantages:

- SOLON solar insurance for rooftop installations included\*
- 25 year SOLON performance guarantee
- Individual consulting and support from our service team and our international distribution partners
- On time delivery
- Free module recycling
- Certified quality products (TÜV)

\* Germany, Spain, Italy, Denmark, Poland, Czech Republic, Austria, Switzerland, France, Luxembourg, Belgium, Netherlands, Finland, Sweden

## Electrical data – typical

Capacity rating ( $\pm 3\%$ )	$P_{max}$	225 Wp	220 Wp	215 Wp	210 Wp	205 Wp	200 Wp
Module efficiency		13.72%	13.41%	13.11%	12.80%	12.50%	12.20%
Rated voltage	$U_{mpp}$	28.90 V	28.80 V	28.50 V	28.30 V	28.10 V	27.80 V
Rated current	$I_{mpp}$	7.80 A	7.65 A	7.55 A	7.45 A	7.30 A	7.20 A
Open circuit voltage	$U_{oc}$	36.60 V	36.40 V	36.30 V	36.10 V	35.90 V	35.60 V
Short circuit current	$I_{sc}$	8.40 A	8.30 A	8.20 A	8.10 A	8.00 A	7.90 A

The above values are effective for an irradiation of 1,000 W/m<sup>2</sup>, AM 1.5, and a cell temperature of 25°C (standard test conditions). They are subject to production tolerances. The modules can be delivered with their characteristic data series which have to be used for the detailed system configuration.

## Temperature coefficient

Tc of open circuit voltage	-0.35%/K
Tc of short circuit current	0.05%/K
Tc of power	-0.44%/K

## Mechanical specification

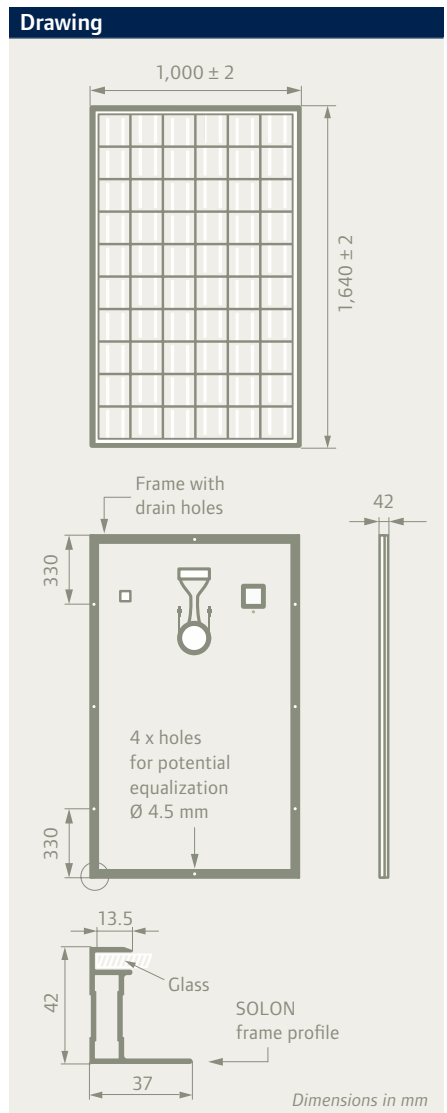
Dimensions (H x W x D)	1,640 x 1,000 x 42 mm
Weight	23.5 kg
Junction box	1 junction box with 3 bypass diodes
Cable	Solar cable, 900 mm length, 4 mm <sup>2</sup> , prefabricated with MC-3 plug
Front glass	White toughened safety glass, 4 mm
Solar cells	60 x polycrystalline Si 6.2" (156 mm x 156 mm)
Cell encapsulation	EVA (ethylene vinyl acetat)
Back site	Composite film
Frame	Anodized aluminum frame with twin-wall profile and drainage holes

## Permissible operating conditions

Temperature range	-40 °C to + 85 °C
Maximum system voltage	1,000 V
Maximum surface load capacity	Tested up to 5,400 Pa according to IEC 61215 (advanced test)
Resistance against hail	Maximum diameter of 28 mm with impact speed of 86 km/h

## Guarantees and certifications

Product warranty	2 years
Performance guarantee	Guaranteed output of 90% for 10 years and 80% for 25 years
Approvals and certificates	TÜV: IEC 61215 Edition II, IEC 61730



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