



## *SOLON Blue 220/03*

Polycrystalline solar modules.

- › Recognized SOLON quality
- › High-performance modules with excellent efficiency
- › Optimal output over decades
- › Very good low light response
- › 10 year product guarantee,  
25 year 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\*
- 10 year product guarantee, 25 year 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)

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

## Electrical data – typical

Capacity rating (±3%)	P <sub>max</sub>	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 <sub>mpp</sub>	28.90 V	28.80 V	28.50 V	28.30 V	28.10 V	27.80 V
Rated current	I <sub>mpp</sub>	7.80 A	7.65 A	7.55 A	7.45 A	7.30 A	7.20 A
Open circuit voltage	U <sub>oc</sub>	36.60 V	36.40 V	36.30 V	36.10 V	35.90 V	35.60 V
Short circuit current	I <sub>sc</sub>	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

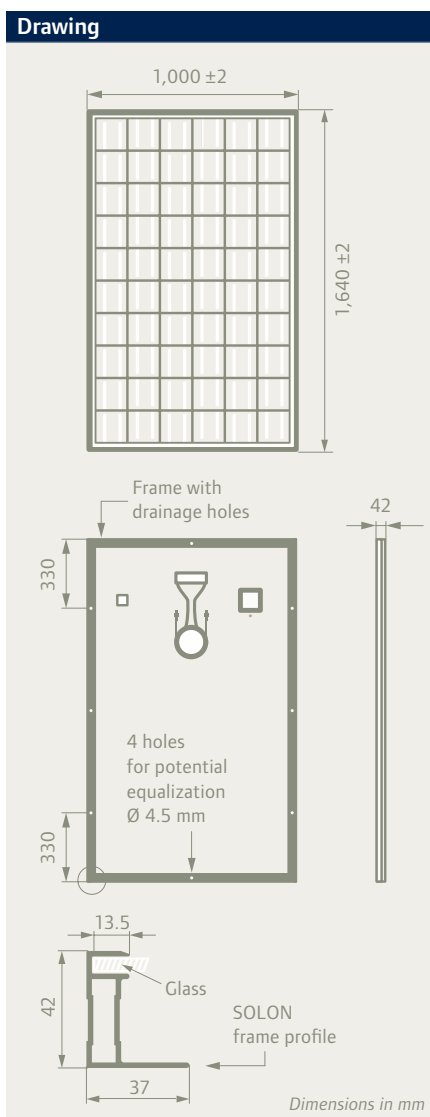
Dimensions (H x W x D)	1,640 x 1,000 x 42 mm
Weight	23.5 kg
Junction box	1 junction box with 3 bypass diodes
Cable	Solar cable, 900 mm length, 4 mm <sup>2</sup> , prefabricated with MC-3 plug
Front glass	White toughened safety glass, 4 mm
Solar cells	60 cells polycrystalline Si 6.2" (156 x 156 mm)
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
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	10 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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For more information on SOLON products please visit [www.solon.com](http://www.solon.com). We are glad to inform you personally as well.

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