



SOLON Blue 220/01

High efficiency and output – 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 Blue 220/01 (P220/6+/01)

Technical details:

- Highly efficient polycrystalline solar module
- Module efficiency of up to 14.3 %
- Very good low light response
- 4 mm solar glass and twin-wall frame profile for highest load capacity
- Optimal heat dissipation technology

SOLON advantages:

- 25 year SOLON performance guarantee
- Individual and professional consulting and support by our SOLON service team and international distribution partners
- On time deliveries
- Certified quality products (UL listed)
- Extensive manufacturing and development experience

Electrical specifications – typical

Capacity rating* (± 3 %)	Pn	240 Wp	235 Wp	230 Wp	225 Wp	220 Wp
Module efficiency		14.63 %	14.33 %	14.02 %	13.72 %	13.41 %
Rated voltage	U _{mp}	29.40 V	29.20 V	29.00 V	28.90 V	28.80 V
Rated current	I _{mp}	8.10 A	8.05 A	7.95 V	7.80 A	7.65 A
Open circuit voltage	U _{oc}	40.00 V	36.90 V	36.70 V	36.60 V	36.40 V
Short circuit current	I _{sc}	8.70 A	8.65 A	8.55 A	8.40 A	8.30 A

The above values are effective for irradiation of 1,000 W/m², 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 for the detailed system configuration.

Temperature coefficient

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

Mechanical specification

Dimensions (HxWxD)	1,640 x 1,000 x 42 mm
Weight	23.5 kg
Junction box	1 Tyco junction box with bypass diodes
Cable	Solar cable, length 900 mm, 4 mm ² , connectors prefabricated with Tyco plug
Front glass	White toughened safety glass, 4 mm
Solar cells	60 pcs. polycrystalline 2BB and 3BB Si 6.2" (156 mm x 156 mm)
Cell encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back site	White composite film
Frame	Anodised aluminium frame with twin-wall profile and drainage holes

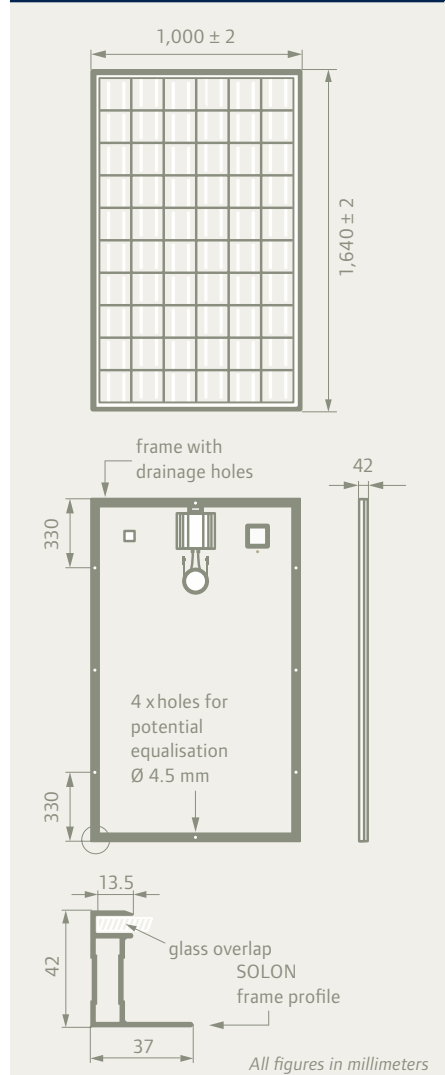
Operating conditions

Temperature range	-40 °C to + 85 °C
Maximum system voltage	600 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	UL listed, CEC registered

Dimensions



Your retailer

SOLON SE
Am Studio 16
12489 Berlin · Germany

Phone +49 30 81879-0
Fax +49 30 81879-9999
E-Mail components@solon.com

SOLON Corporation
6950 S. Country Club Road
Tucson · AZ · 85756-7151 · USA

Phone +1 520 807-1300
Fax +1 520 807-4046
E-Mail solon.us@solon.com

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We are glad to inform you personally as well.