



SOLON Blue 230/07

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

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Technical features:

- Highly efficient monocrystalline cell technology
- Module efficiency of up to 14.6 %
- Excellent low-light response
- 4-mm solar glass and twin-wall frame profile for highest load capacity
- Innovative SOLON connection technology for optimum heat dissipation

SOLON advantages:

- 25 year SOLON performance guarantee
- Individual consulting and support from our SOLON service team and our international distribution partners
- On time delivery
- Free module recycling
- Certified quality products (TÜV)

Electrical data – typical

| Capacity rating (± 3 %) | Pn | 240 Wp | 235 Wp | 230 Wp | 225 Wp | 220 Wp | 215 Wp |
|-------------------------|------|---------|---------|---------|---------|---------|---------|
| Module efficiency | | 14.63 % | 14.33 % | 14.02 % | 13.72 % | 13.41 % | 13.11 % |
| Rated voltage | Umpp | 29.40 V | 29.20 V | 29.00 V | 28.90 V | 28.80 V | 28.50 V |
| Rated current | Impp | 8.10 A | 8.05 A | 7.95 A | 7.80 A | 7.65 A | 7.55 A |
| Open circuit voltage | Uoc | 40.00 V | 36.90 V | 36.70 V | 36.60 V | 36.40 V | 36.30 V |
| Short circuit current | Isc | 8.70 A | 8.65 A | 8.55 A | 8.40 A | 8.30 A | 8.20 A |

The above values are effective for an 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 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

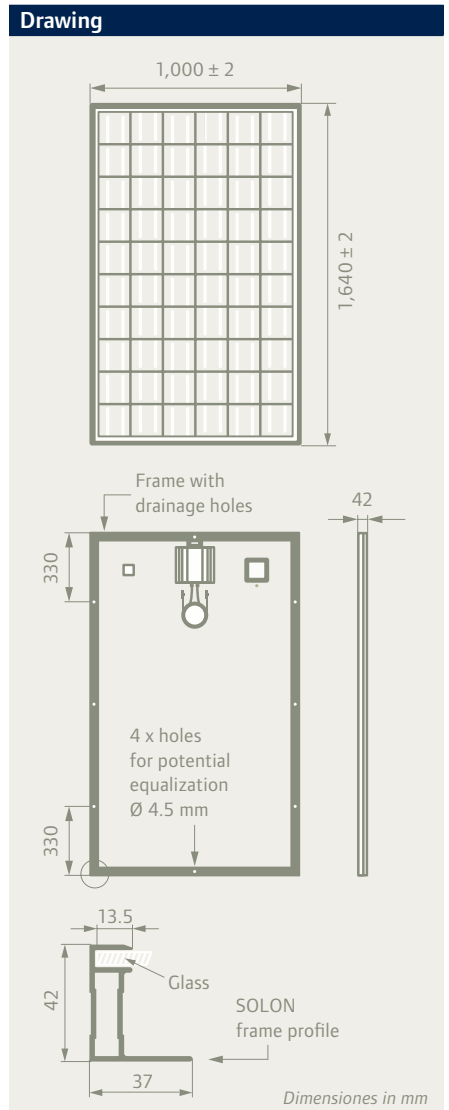
| | |
|------------------------|--|
| Dimensions (H x W x D) | 1,640 x 1,000 x 42 mm |
| Weight | 23,5 kg |
| Junction box | 1 SOLON ED II junction box with 3 bypass diodes |
| Cable | Solar cable, 900 mm length, 4 mm ² , prefabricated with MC-4 plug |
| Front glass | White toughened safety glass, 4 mm |
| Solar cells | 60 x polycrystalline Si 6.2" (156 mm x 156 mm) 2BB & 3BB |
| 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 |



Your specialty retailer

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For more information on SOLON products visit us on www.solon.com.
We are glad to inform you personally as well.