



SOLON Black 130/04

Monocrystalline 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

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Technical features:

- Highly efficient monocrystalline cell technology
- Module efficiency of up to 13.8%
- Excellent low light response
- 4 mm solar glass and rear profiles for highest load capacity
- Elegant, frameless module design
- Simple, quick mounting thanks to the SOLON click system

SOLON advantages:

- SOLON solar insurance for rooftop installations included⁽¹⁾
- 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)

Electrical data – typical

Capacity rating (±3%)	P _{max}	135 Wp	130 Wp
Module efficiency		13.77%	13.26%
Rated voltage	U _{mpp}	17.40 V	17.20 V
Rated current	I _{mpp}	7.60 A	7.70 A
Open circuit voltage	U _{oc}	21.90 V	21.80 V
Short circuit current	I _{sc}	8.40 A	8.25 A

The above values are effective for an irradiation of 1,000 W/m², AM 1.5 and a cell temperature of 25°C according to STC. 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 coefficients (Tc)

Tc of open circuit voltage	-0.37%/K
Tc of short circuit current	0.03%/K
Tc of power	-0.51%/K

Mechanical specification

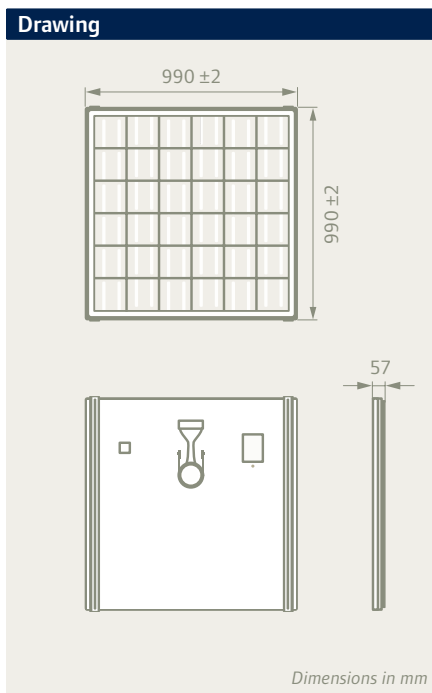
Dimensions (H x W x D)	990 x 990 x 57 mm
Weight	15 kg
Junction box	1 junction box with 3 bypass diodes
Cable	Solar cable, 800 mm length, 4 mm ² , prefabricated with MC-4 plug
Application class	Class A at IEC 61730
Front glass	Transparent toughened safety glass, 4 mm
Solar cells	36 cells, monocrystalline Si 6.2" (156 x 156 mm)
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
Back side	Black composite film
Back rails	Anodized aluminum profile

Permissible operating conditions

Temperature range	-40°C to +85°C
NOCT	47°C ±2%
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 (incl. Safety Class II)



Your specialty retailer

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