

Technical Data

Electrical data

The electrical data apply to standard test conditions (STC):

Irradiance at the module level of 1.000 W/m² with spectrum AM 1.5 and a cell temperature of 25 °C.



Nominal power	P _{nom}	155 Wp	160 Wp	165 Wp
Voltage at maximum-power point	U _{mpp}	33.3 V	33.6 V	33.8 V
Current at maximum-power point	I _{mpp}	4.66 A	4.77 A	4.88 A
Open-circuit voltage	U _{oc}	42.4 V	42.8 V	43.1 V
Short-circuit current	I _{sc}	5.15 A	5.23 A	5.32 A

The rated power may vary by ± 4% and all other electrical parameters by ± 10%.

Dimensions and weights



Dimensions (tolerances ± 3 mm)	1,620 mm x 810 mm
Thickness with frame (± 1 mm)	50 mm
Weight	approx. 15.5 kg

Characteristic data



Solar cells per module	72
Type of solar cell	EFG-cells (multi-crystalline, 12.5 x 12.5 cm ² , full-square)
Connection	Connection box with bypass diodes, 4 mm ² -solar cable with Tyco-Connectors, length of pole 1.1 m each.

Temperature coefficients*



Power	T _K (P _n)	- 0.47 %/°C
Open-circuit voltage	T _K (U _{oc})	- 0.38 %/°C
Short-circuit current	T _K (I _{sc})	+ 0.10 %/°C
NOCT	[°C]	46.0 °C

* Temporary data

Limits



Max. system voltage	1000 V _{DC}
Operating module temperature	-40 ... +85 °C
Max. load	Pressure: 5,400 N/m ² or 550 kg/m ² (IEC 61215 Ed. 2) Suction: 5,400 N/m ² or 550 kg/m ²

The right is reserved to make technical modifications.

Qualifications



The SCHOTT EFG™ 155/160/165 complies with the requirements of IEC 61215 and IEC 61730, Electrical Protection Class II and the CE-guidelines.



MANAGEMENTSYSTEM
Certified by DQS according to
DIN EN ISO 9001:2000 · Reg.-No. 2184
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