Solar module with EFG® cells

High-quality crystalline solar cells ensure maximum energy yield. SCHOTT Solar modules have been awarded top ratings in a number of independent studies and surveys. Every module type is designed – from frame to connection box – for cost-effective system integration.

Narrow output tolerance: A very narrow module output selection permits serial connection with low connection losses.

Quick and easy installation: The anodized aluminum frame and the preinstalled cable with Tyco-Connectors ensure quick and easy installation.

System voltage up to 1000 V: The Safety Class II module is configured for system voltage of up to 1000 V. It is suitable for grid-connected systems.

One step ahead: The special SCHOTT Solar cell technology using crystalline EFG® wafers ensures optimum output and efficiency.

347.5 810°3

1620°5

978°3

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

405°5

40

- Narrow output tolerance
- Quick and easy installation
- System voltage up to 1000 V
- Higher performance/more efficiency
- One step ahead



SCHOTT EFG™ 155/160/165



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 \pm 4% and all other electrical parameters by \pm 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



72
EFG-cells (multi-crystalline,
12.5 x 12.5 cm², full-square)
Connection box with bypass diodes,
4 mm ² -solar cable with Tyco-
Connectors, lenght 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.



