SCHOTT ASI™ Thin-Film Solar Module

- More energy
- Robust encapsulation
- Easy Mounting/Interconnection
- According to IEC 61646
- According to IEC 61730

SCHOTT ASI™ Thin-Film solar modules with the ASI® Cell Technology guarantee an above average high performance and energy yield. Modules from SCHOTT Solar have been awarded top ratings in a number of independent studies and surveys.
SCHOTT ASI™ modules are designed - from frame to junction box - for cost-effective system integration.

More energy: Independent surveys have shown that under real operation conditions - such as clouded skies or high ambient temperatures - the ASI® Technology delivers high energy yields per rated Wp.

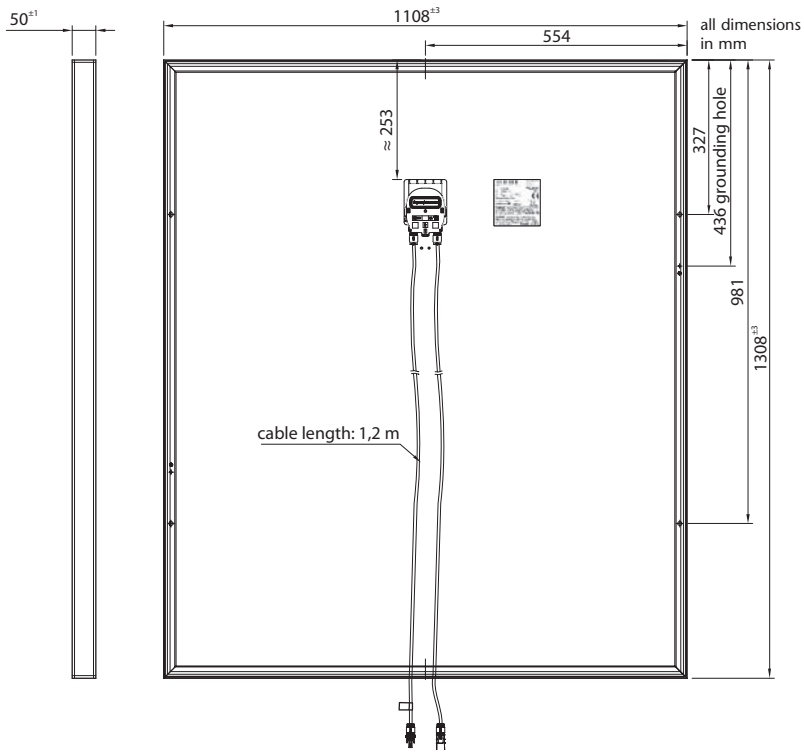
Robust encapsulation: The proven ASI® encapsulation ensures high resistance against UV, temperature and weather, even in the most extreme conditions.

Quick and easy installation: The anodized aluminum frame and the preinstalled cables with Tyco-Connectors ensure quick and easy installation. Bypass diodes are integrated in each junction box.

Top quality and safety: The proven SCHOTT ASI™ modules "Made in Germany" stand for high, stable performance and longevity:

- 20 years power guarantee
- According to IEC 61646
- According to IEC 61730

SCHOTT ASI™ 90/95



Tyco-connectors

SCHOTT solar

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.

Product name		SCHOTT ASI™ 90		SCHOTT ASI™ 95	
		Stabilised values	Initial values from stock	Stabilised values	Initial values from stock
Nominal power*	P_{nom}	90 Wp	approx. 109.8 Wp	95 Wp	approx. 115.9 Wp
Voltage at nominal power*	U_{mpp}	17.3 V	approx. 19.2 V	17.4 V	approx. 19.3 V
Current at nominal power*	I_{mpp}	5.21 A	approx. 5.72 A	5.47 A	approx. 6.01 A
Open-circuit voltage*	U_{oc}	23.4 V	approx. 24.4 V	23.6 V	approx. 24.6 V
Short-circuit current*	I_{sc}	6.60 A	approx. 6.80 A	6.69 A	approx. 6.90 A

The rated power may vary by ±5% and all other eletrical parameters by ± 10%.

Dimensions and weights

Dimensions (tolerances ± 3 mm)	1,108 x 1,308 mm²
Thickness with frame (± 1 mm)	50.0 mm
Weight	approx. 18 kg

Temperature coefficients

Power	T_K (P_{nom})	- 0.2 %/K
Open-circuit voltage	T_K (U_{oc})	- 0.33 %/K
Short-circuit current	T_K (I_{sc})	+ 0.08 %/K

Limits

System voltage	U_{sys}	1000 V_{DC}
Maximum reverse current	I_R	10 A
Operating module temperature		-40 °C to +85 °C
Typical operation temperature		approx. 20 °C to 25 °C above ambient temperature
Maximum load		2.400 N/m² or 245 kg/m² (IEC 61646)

The right is reserved to make technical modifications.

Qualifications

According to IEC 61646
According to IEC 61730
CE conformity

MANAGEMENTSYSTEM
Certified by DQS according to
DIN EN ISO 9001:2000 · Reg.-No. 2184
DIN EN ISO 14001:2005 · Reg.-No. 2184
OHSAS 18001:1999 · Reg.-No. 2184

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