



SONNENSTROM
FABRIK



Optional: junction
box 1500 Volt



Optional: 30yrs
guarantee

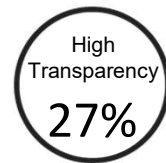


Optional: Total-
Care Insurance



EXCELLENT GLASS/GLASS M48
brilliant

MONOCRYSTALLINE 255-265 WP



Transparency and Performance

The cell matrix is optimized for light transmission and maximum performance

The optimized cell matrix enables a light transparency of 51%

Optimizes electricity production whilst preserving daylight diffusion for agricultural greenhouses and buildings

Perfect architectural integration and control of natural light contribution for verandas, pergolas, awnings and carports

30 years linear performance guarantee
20 years product guarantee
Optional Total Care for the entire system

¹ For detailed information please consult the CS Wismar GmbH warranty conditions

² See backside for detailed test loads

³ Subject to recertification

EXCELLENT GLASS/GLASS 255 | 260 | 265 M48

brilliant

Performance STC

Under standard Test Conditions STC:
1000 W/m²; spectrum AM 1.5;
Cell temperature 25°C
Measurement tolerance STC:
P_{mpp} ±3%; I_{sc} ±10%; U_{oc} ±10%

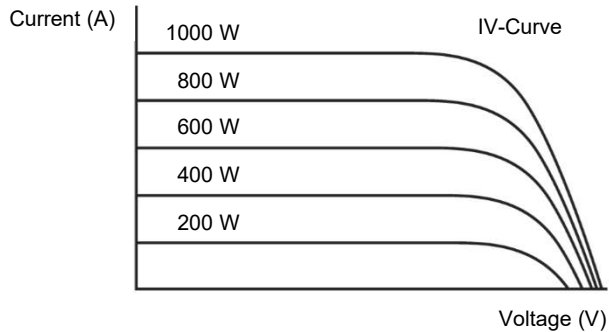
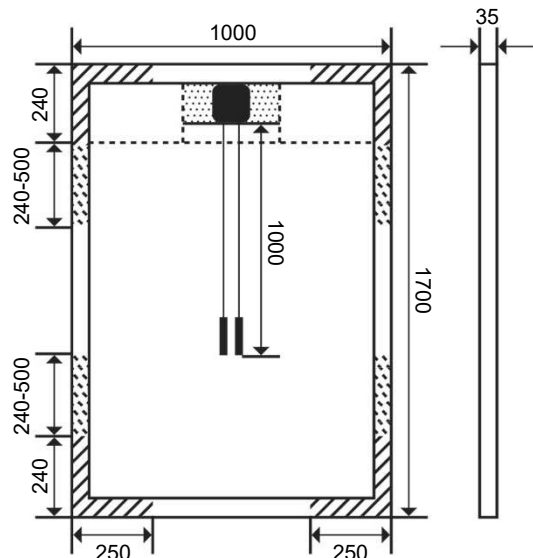
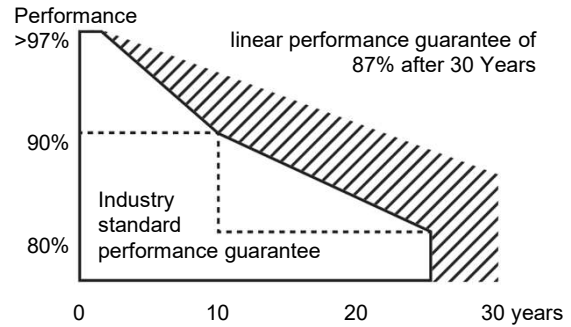
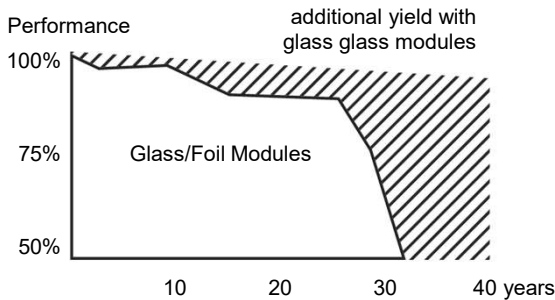
Nominal Power P _{mpp} (Wp)	255	260	265
Open Circuit Voltage U _{oc} (V)	31,74	31,89	32,04
Voltage U _{mpp} (V)	26,65	27	27,35
Short Circuit Current I _{sc} (A)	10,30	10,45	10,6
Current I _{mpp} (A)	9,57	9,63	9,69
Efficiency η (%)	15,0	15,3	15,6

Reduction of module efficiency at reduction from 1000 W/m² to 200 W/m²: 4,1% ± 0,2% (relative)

Performance NMOT

Nominal operating temperature of module
800 W/m², NMOT, AM 1.5

Nominal Power P _{mpp} (Wp)	197	201	204
Open Circuit Voltage U _{oc} (V)	29,68	29,82	29,96
Voltage U _{mpp} (V)	25,80	26,11	26,41
Short Circuit Current I _{sc} (A)	8,32	8,44	8,56
Current I _{mpp} (A)	7,64	7,68	7,73



clamping area
 approved up to 2.400 Pa (suction & pressure)
 approved up to 2.400 Pa (suction)/
 5.400 Pa (pressure) no contact between junction box and mounting profile permitted in this area.

measurements in mm

Other Technical Specification

Max. system voltage	1000 V
Weight	ca. 22.0 kg
Reverse Current Load IR	15 A
Junction box	IP 67 with 3 bypass diodes
Connectors	IP 67, MC4
Fire rating	class C
Operating temperature	-40°C ... +85°C
Design load: snow	5.400 Pa *
Max test load	8.100 Pa
Design load: wind	2.400 Pa *
Max test load	3.600 Pa

* safety factor 1.5

Thermal Properties

TC P _{mpp}	-0.39 %/K
TC U _{oc}	-0.28 %/K
TC I _{sc}	0.040 %/K
NMOT	45 +/- 2 °C

Material Used

No. of cells	48 cells
Type of cells	monocrystalline
Front	hardened solar glass
Frame	anodized aluminium
Frame height	35 mm

