



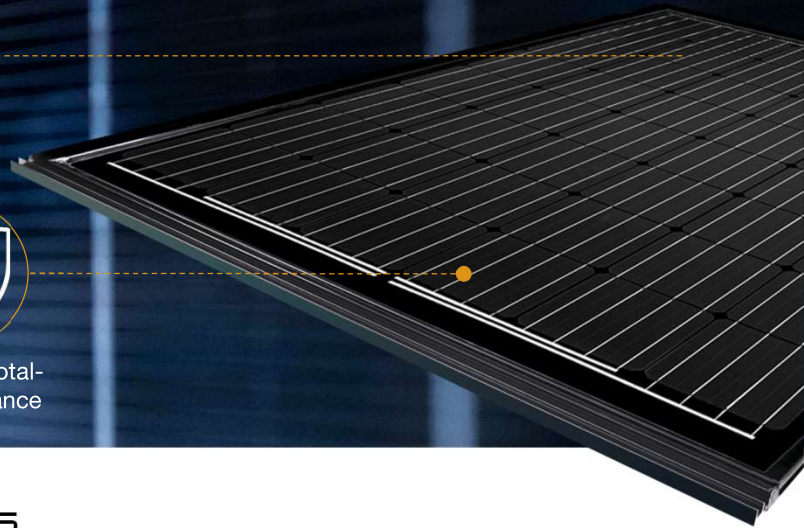
Optional: junction  
box 1500 Volt



Optional: 30yrs  
guarantee



Optional: Total-  
Care Insurance



## INTEGRATION GLASS/GLASS M48

MONOCRYSTALLINE 255-265 WP

**Schweizer**



| Long lifetime even under extreme conditions                                    | Optimized for performance                             | Highest quality standards  | Guaranteed performance <sup>1</sup>                        |
|--|---|--|--|
| Inroof system, BIPV-Typ EN 50583, Category A                                   | PID-free monocrystalline high performance solar cells | Rigid roofing, P-BWU03-I-16.3.237  | 30 years of linear performance guarantee                   |
| 2 x 2 mm strong, hardened and scratchresistant solar glass                     | Antireflective coated solar glass                     | Manufactured acc. to<br>DIN EN ISO 9001:2015<br>DIN EN ISO 14001:2015<br>DIN EN ISO 45001:2018 | 20 years product guarantee, optional extension to 30 years |
| Protection of cells against microcracks through double glass composite         | Low-light optimized                                   | PV-module type approval acc. to IEC 61215:2016 <sup>3</sup>                                    | Total Care for the entire system (optional)                |
| Easy to install, reliable operation  | Positively classified -0/+4.99 Wp                     | PV-module safety qualification acc. to IEC 61730:2016 <sup>3</sup>                             |  |
| Rainproof like a tiled roof (SIA 232/1)  | Industry-leading NMOT values                          | Fire class: rigid roof (Euro class E)  |  |
| Excellent mechanical load values, compressive load up to 5,400 Pa <sup>2</sup> |   |  |  |
| Hail class HW 3  |   |  |  |

<sup>1</sup> For detailed information please consult the CS Wismar GmbH warranty conditions

<sup>2</sup> See backside for detailed test loads

<sup>3</sup> Subject to recertification

# INTEGRATION GLASS/GLASS 255 | 260 | 265 M48

## Performance STC

Under standard Test Conditions STC:  
1000 W/m<sup>2</sup>; spectrum AM 1.5;  
Cell temperature 25°C  
Measurement tolerance STC:  
P<sub>mpp</sub> ±3%; I<sub>sc</sub> ±10%; U<sub>oc</sub> ±10%

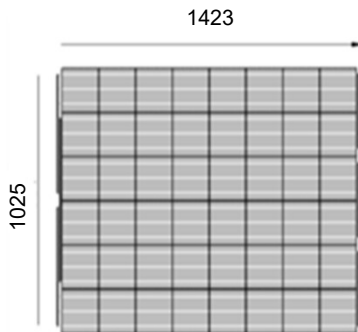
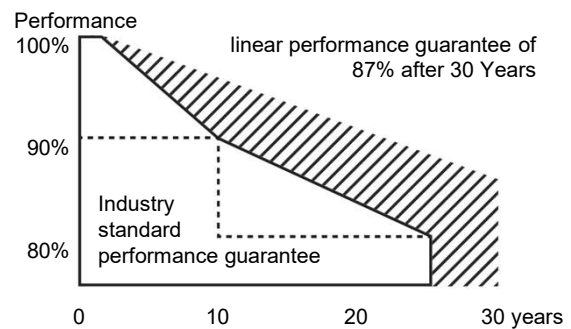
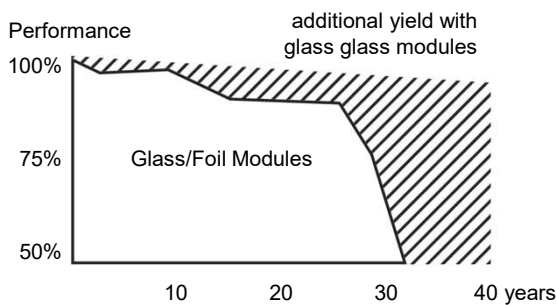
|   |       |       |       |
|---|-------|-------|-------|
| Nominal Power P <sub>mpp</sub> (Wp)       | 255   | 260   | 265   |
| Open Circuit Voltage U <sub>oc</sub> (V)  | 31,74 | 31,89 | 32,04 |
| Voltage U <sub>mpp</sub> (V)              | 26,65 | 27    | 27,35 |
| Short Circuit Current I <sub>sc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

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

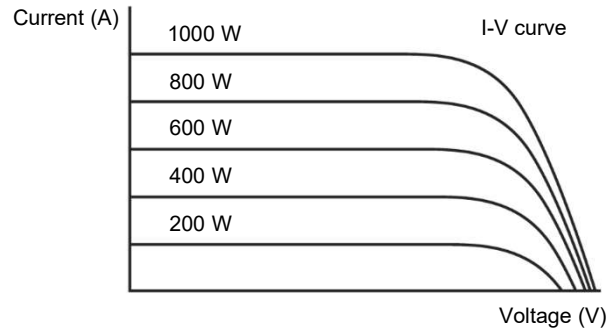
## Performance NMOT

Nominal operating temperature of module  
800 W/m<sup>2</sup>, NMOT, AM 1.5

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



measurements in mm



## Other Technical Specification

|                                     |                            |
|-------------------------------------|----------------------------|
| Max. system voltage                 | 1000 V                     |
| Weight                              | ca. 18.0 kg                |
| Reverse Current Load I <sub>R</sub> | 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                   | 3.600 Pa *                 |
| Max test load                       | 5.400 Pa                   |
| Design load: wind                   | 1.600 Pa *                 |
| Max test load                       | 2.400 Pa                   |
| Outer dimensions                    | 1423 x 1025 mm             |
| Raster dimensions                   | 1405 x 993 mm              |

\* safety factor 1.5

## Thermal Properties

|                     |             |
|---------------------|-------------|
| TC P <sub>mpp</sub> | -0.39 %/K   |
| TC U <sub>oc</sub>  | -0.28 %/K   |
| TC I <sub>sc</sub>  | 0.040 %/K   |
| NMOT                | 45 +/- 2 °C |

## Material Used

|               |                      |
|---------------|----------------------|
| No. of cells  | 48 cells             |
| Type of cells | monocrystalline      |
| Front         | hardened solar glass |
| Frame         | Solrif frame         |
| Frame height  | 16 mm                |
| Module height | 35 mm                |

