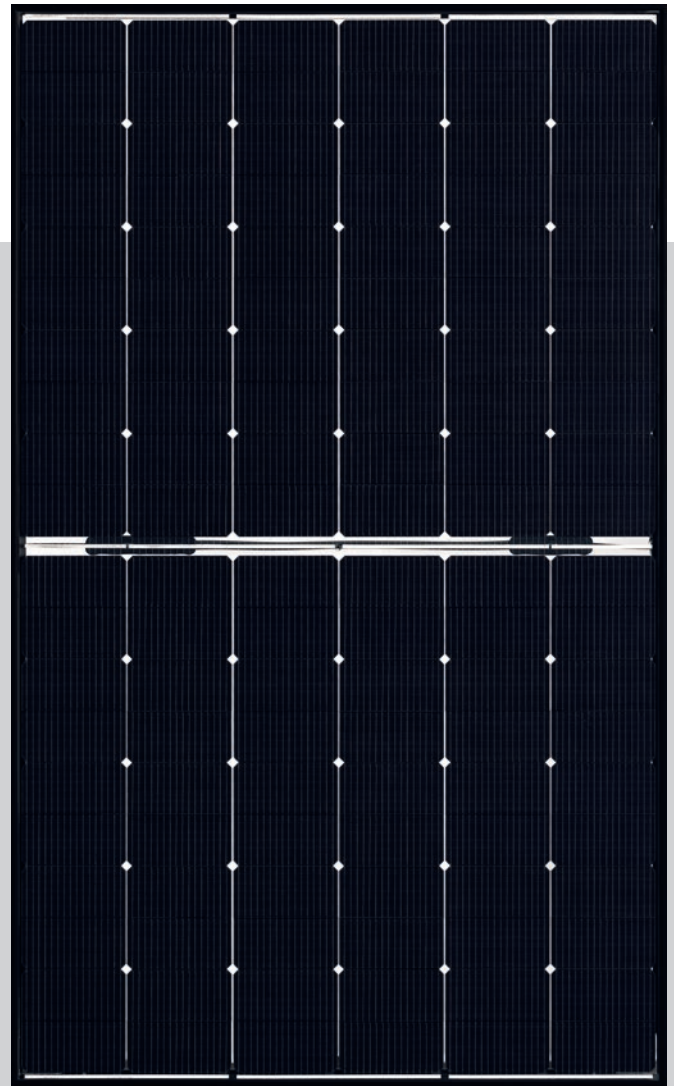


# MEYER BURGER GLASS

370 – 390 Wp

For maximum stability and utilizing the full potential of the sun from all sides:  
**Bifacial heterojunction high-performance solar module with SmartWire Connection Technology.**



**Made in Germany. Designed in Switzerland.**

Production and development according to the highest quality standards.



**Highly profitable**

More energy yield over the same area even on cloudy or hot days.



**Extremely durable**

Outstanding cell stability and high breakage resistance thanks to patented SmartWire Connection Technology.



**Consistently sustainable**

Regional value creation, made without lead and produced using 100% renewable energy.



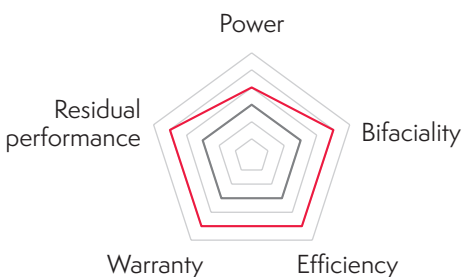
**Guaranteed reliability**

Industry-leading 30-year product and performance warranty.



**Extremely aesthetic**

Elegant Swiss design suitable for all roof shapes and sophisticated architecture.



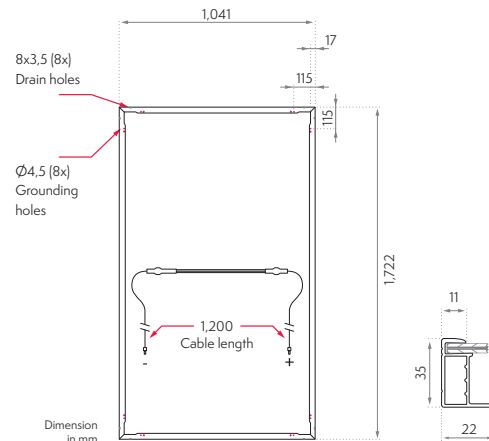
Commercial rooftop



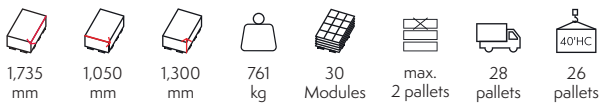
Residential rooftop

### Mechanical Specification

|                 |  |
|-----------------|--|
| Dimensions [mm] | 1,722 x 1,041 x 35   |
| Weight [kg]     | 24.4   |
| Front glass     | Tempered solar glass, 2.0 mm, with anti-reflective surface             |
| Back glass      | Solar glass, 2.0 mm  |
| Frame           | Black anodized aluminum  |
| Solar cell type | 120 half-cells, mono n-Si, HJT with SWCT™ bifacial cell technology     |
| Junction boxes  | 3 diodes, IP68 rated, in accordance with IEC 62790                     |
| Cable           | PV cable 4 mm <sup>2</sup> , 1.2 m length, in accordance with EN 50618 |
| Connectors      | MC4-Evo2, in accordance with IEC 62852, IP68 rated only when connected |



### Packages



Delivery by container or truck. For truck freight, 0.76 loading metres per pallet and stacking factor 2 apply.

### Electrical Specification<sup>1</sup>

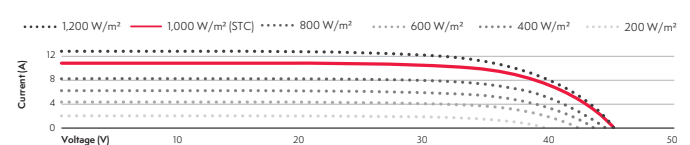
| Power class in STC <sup>2</sup>                                |                       |               | 370           |                   | 375           |              | 380           |              | 385           |              | 390           |              |
|--|-----------------------|---------------|---------------|-------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| Minimum Performance (Power Tolerance -0 W/+5 W)                |                       |               | STC           | NMOT <sup>3</sup> | STC           | NMOT         | STC           | NMOT         | STC           | NMOT         | STC           | NMOT         |
| Minimum  | Power at MPP          | $P_{mpp}$ [W] | 370           | 284               | 375           | 286          | 380           | 291          | 385           | 295          | 390           | 296          |
|  | Short Circuit Current | $I_{sc}$ [A]  | 10.4          | 8.4               | 10.4          | 8.4          | 10.5          | 8.5          | 10.6          | 8.6          | 10.7          | 8.6          |
|  | Open Circuit Voltage  | $V_{oc}$ [V]  | 44.5          | 41.9              | 44.6          | 42.0         | 44.7          | 42.1         | 44.7          | 42.1         | 44.7          | 42.1         |
|  | Current at MPP        | $I_{mpp}$ [A] | 9.9           | 8.0               | 9.9           | 8.0          | 10.0          | 8.1          | 10.1          | 8.2          | 10.2          | 8.2          |
|  | Voltage at MPP        | $V_{mpp}$ [V] | 37.7          | 35.5              | 37.9          | 35.7         | 38.1          | 35.9         | 38.2          | 36.0         | 38.3          | 36.1         |
| Efficiency   | $\eta$ [%]            | 20.6          |               | 20.9              |               | 21.2         |               | 21.5         |               | 21.8         |               |              |
| Bifaciality Factor   |                       |               | [%]           |                   | 90±2          |              |               |              |               |              |               |              |
| Power with rear irradiation [W/m <sup>2</sup> ] <sup>4,5</sup> |                       |               | $P_{max}$ [W] | $I_{sc}$ [A]      | $P_{max}$ [W] | $I_{sc}$ [A] | $P_{max}$ [W] | $I_{sc}$ [A] | $P_{max}$ [W] | $I_{sc}$ [A] | $P_{max}$ [W] | $I_{sc}$ [A] |
| Bifi50   |                       |               | 386           | 10.9              | 391           | 10.9         | 396           | 11.0         | 401           | 11.1         | 406           | 11.2         |
| Bifi100  |                       |               | 403           | 11.3              | 408           | 11.3         | 413           | 11.4         | 418           | 11.5         | 423           | 11.6         |
| BSTC <sup>5</sup>  |                       |               | 414           | 11.6              | 419           | 11.6         | 424           | 11.7         | 429           | 11.8         | 434           | 11.9         |
| Bifi200  |                       |               | 436           | 12.2              | 441           | 12.2         | 446           | 12.3         | 451           | 12.4         | 456           | 12.5         |
| Bifi250  |                       |               | 452           | 12.7              | 457           | 12.7         | 462           | 12.8         | 467           | 12.9         | 472           | 13.0         |

### Temperature Coefficients

|                                      |                   |       |        |
|--------------------------------------|-------------------|-------|--------|
| Temperature Coefficient of $I_{sc}$  | $\alpha$          | [%/K] | +0.033 |
| Temperature Coefficient of $V_{oc}$  | $\beta$           | [%/K] | -0.234 |
| Temperature Coefficient of $P_{MPP}$ | $\gamma$          | [%/K] | -0.259 |
| Nominal Module Operating Temperature | NMOT <sup>3</sup> | [°C]  | 44±2   |

The temperature coefficients stated are linear values.

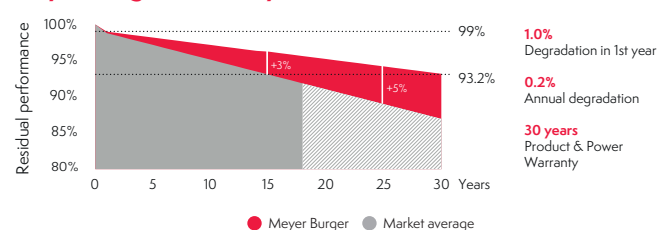
### I-V curves at different irradiances



### Properties for system design

|  |      |             |
|--|------|-------------|
| Max. System Voltage                                    | [V]  | 1,500       |
| Overcurrent Protection Rating                          | [A]  | 25          |
| Max. Test Load +/- (Safety Factor for Test load = 1.5) | [Pa] | 6,000/4,000 |
| Max. Design Load +/-                                   | [Pa] | 4,000/2,666 |
| Safety Class   |      | II          |
| Fire Type (UL 61730)                                   |      | 29          |
| Fire Class (EN 13501-1 / DIN 4102-1)                   |      | B/B1        |
| Operation Temperature                                  | [°C] | -40 to +85  |

### Meyer Burger Warranty



### Certificates

#### Certifications

IEC 61215:2016, IEC 61730:2016, UL 61730-1, UL 61730-2, PID (IEC 62804)

#### Certifications (to come)

Salt Mist (IEC 61701), Ammonia Resistance (IEC 62716), Dust & Sand (IEC 60068)

Notice: All data and specifications are preliminary and subject to change without notice.

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### Test procedure according to IEC standard



<sup>1</sup> Measurement according to IEC 60904-3, measurement tolerance: ±3 %, monofacial measurement with rear side covered

<sup>2</sup> STC: Irradiance 1000 W/m<sup>2</sup>, Module temperature 25 °C, AM1.5G Spectrum

<sup>3</sup> NMOT: Nominal Module Operating Temperature, with irradiance 800 W/m<sup>2</sup>, AM1.5G Spectrum, Ambient temperature 20 °C

<sup>4</sup> According to IEC TS 60904-1-2, with rear irradiances of 50, 100, 200 and 250 W/m<sup>2</sup>

<sup>5</sup> According to TÜV 2 PFG 2645/11.17, with a rear irradiance of 135 W/m<sup>2</sup>