

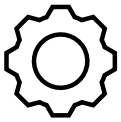
Meyer Burger Black

Heterojunction Module



Maximum performance:

Up to 20 percent more energy yield – even in low-light conditions, such as in the morning and evening hours or with cloudy skies



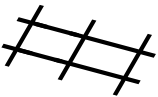
Maximum quality:

Production of solar cells and modules according to the highest standards and exclusively in Germany



Maximum durability:

Guaranteed yields for decades



Maximum stability:

Patented SmartWire technology makes the modules extremely rugged and efficient



Maximum elegance:

Understated and superb design – invented in Switzerland

Meyer Burger (Industries) GmbH

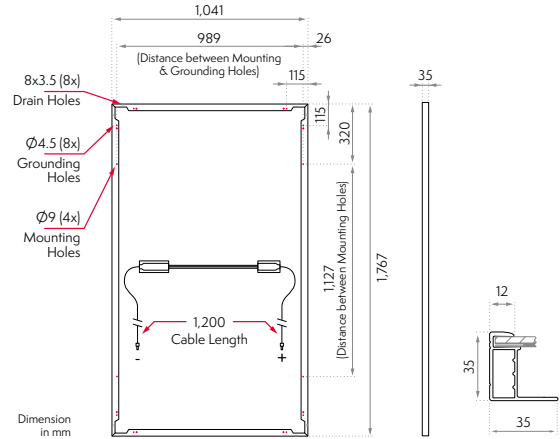
Carl-Schiffner-Str. 17
09599 Freiberg
Germany

www.meyerburger.com



MECHANICAL SPECIFICATION

| | |
|-----------------|------------------------------------------------------------------------|
| Dimensions [mm] | 1,767 x 1,041 x 35 |
| Weight [kg] | 19.7 |
| Front cover | Solar glass, 3.2 mm, with anti-reflective surface |
| Back cover | High-barrier construction, black |
| Frame | Anodized aluminum (black) |
| Solar cell type | 120 half-cut, mono n-Si, HJT |
| Junction boxes | 3 diodes, IP68 rated, in accordance with IEC 62790 |
| Cable | PV cable 4 mm ² , 1.2 m length, in accordance with EN 50618 |
| Connectors | MC4, in accordance with IEC 62852, IP68 rated only when connected |



ELECTRICAL SPECIFICATION¹

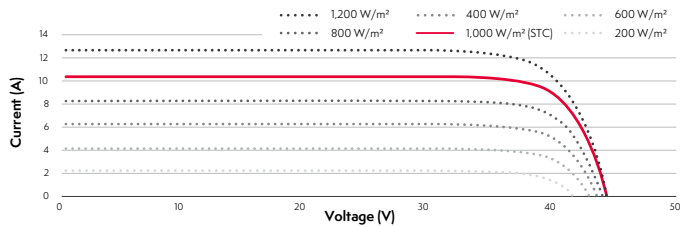
| Power class in STC ² [W _p] | | | 375 | | 380 | | 385 | | 390 | | 395 | |
|-------------------------------------------------------------------|-----------------|------------------|-------------------|------|------|------|------|------|------|------|------|------|
| Minimum Performance (Power Tolerance -0 W/+5 W) [W _p] | STC | | NMOT ³ | | STC | | NMOT | | STC | | NMOT | |
| | Power at MPP | P _{mpp} | [W] | 375 | 286 | 380 | 292 | 385 | 297 | 390 | 298 | 395 |
| Short Circuit Current | I _{sc} | [A] | 10.6 | 8.6 | 10.6 | 8.6 | 10.7 | 8.6 | 10.8 | 8.7 | 10.9 | 8.8 |
| Open Circuit Voltage | V _{oc} | [V] | 44.5 | 41.9 | 44.6 | 42.0 | 44.6 | 42.0 | 44.7 | 42.1 | 44.7 | 42.1 |
| Current at MPP | I _{mp} | [A] | 9.9 | 8.0 | 10.0 | 8.1 | 10.1 | 8.2 | 10.2 | 8.2 | 10.3 | 8.3 |
| Voltage at MPP | V _{mp} | [V] | 38.0 | 35.8 | 38.2 | 36.0 | 38.4 | 36.2 | 38.5 | 36.3 | 38.7 | 36.5 |
| Efficiency | η | [%] | 20.4 | | 20.7 | | 20.9 | | 21.2 | | 21.5 | |

Temperature Coefficients

| | | | |
|---------------------------------------------|-------------------|--------|--------|
| Temperature Coefficient of I _{sc} | α | [%/°C] | +0.033 |
| Temperature Coefficient of V _{oc} | β | [%/°C] | -0.234 |
| Temperature Coefficient of P _{MPP} | γ | [%/°C] | -0.259 |
| Nominal Module Operating Temperature | NMOT ³ | [°C] | 44±2 |

The temperature coefficients stated are linear values

Performance at different irradiance



PROPERTIES FOR SYSTEM DESIGN

| | | |
|--------------------------------------------------|------|-------------|
| Maximum System Voltage | [V] | 1,000 |
| Maximum Series Fuse Rating | [A] | 15 |
| Max. Test Load +/-, (incl. Safety Factor of 1.5) | [Pa] | 6,000/4,000 |
| Fire class according to EN 13501-1 | | B2 |
| Operating Temperature | °C | -40 to +85 |

MEYER BURGER WARRANTY

| | |
|--------------------------|-----------------------|
| Product Warranty [y] | 25 |
| Power Warranty [y] | 25 |
| Power after 1 year | ≥98% of nominal power |
| Annual Degradation [%/y] | 0.25 |
| Power after 25 years | ≥92% of nominal power |

Warranty conditions apply

CERTIFICATES

Certifications

IEC 61215:2016, IEC 61730:2016

Certifications

UL61730-1, UL 61730-2, PID (IEC 62804), Salt Mist (IEC 61701), Ammonia Resistance (IEC 62716), Dynamical Mechanical Load (IEC, 62782:2016), Dust & Sand (IEC 60068)