MEYER BURGER

Meyer Burger Black

375 – 395 Wp

For maximum yields combined with outstanding design: Heterojunction high-performance solar module with SmartWire Connection Technology (SWCT™).

Made in Germany. Designed in Switzerland.
Production and development according to the highest quality standards.

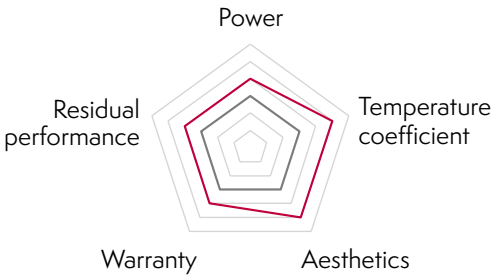
Highly profitable
More energy yield over the same area even on cloudy or hot days.

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 25-year product and performance warranty.

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



Residential rooftop

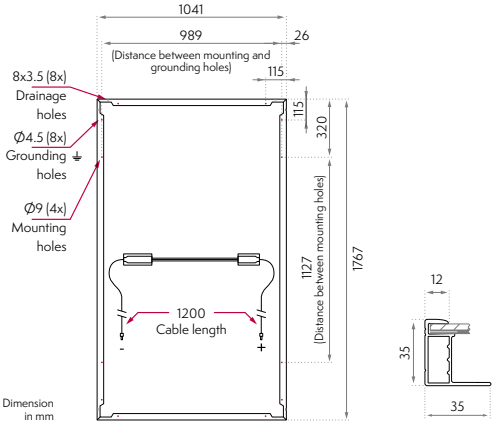
MEYER BURGER

Made in Germany.
Designed in Switzerland.

Lead Free

Mechanical specification

Dimensions [mm]	1767 x 1041 x 35
Weight [kg]	19.7
Front cover	Tempered solar glass, 3.2 mm, with anti-reflective surface
Back cover	Black water-barrier backsheet
Frame	Black anodized aluminum
Solar cell type	120 half-cells, mono n-Si, HJT with SWCT™
Junction boxes	3 diodes, IP68 rated in accordance with IEC 62790
Cable	PV cable 4 mm², 1.2 m length in accordance with EN 50618
Connectors	1: MC4; 2: MC4-Evo2; 3: UKT Energy PV-CO02; 4: TE Connectivity PV4-S1 in accordance with IEC 62852, IP68 rated only when connected



Packages

1780 mm	1050 mm	1300 mm	650 kg	30 modules	max. 2 pallets	28 pallets	26 pallets

Delivery by container or truck. For truck freight, 0.78 loading meters per pallet and stacking factor 2 apply.

Electrical specification[1]

Power class	Efficiency	Power*		Short circuit current		Open circuit voltage		Current at MPP		Voltage at MPP	
	η	P_{max}		I_{sc}		V_{oc}		I_{mpp}		V_{mpp}	
	[%]	[W]		[A]		[V]		[A]		[V]	
	STC[2]	NMOT[3]	**STC**	NMOT	**STC**	NMOT	**STC**	NMOT	**STC**	NMOT	**STC**
375	**20.4**	283	**375**	8.5	**10.6**	42.2	**44.4**	7.9	**9.9**	35.7	**37.8**
380	**20.7**	287	**380**	8.5	**10.6**	42.2	**44.5**	8.0	**10.0**	36.1	**38.2**
385	**20.9**	291	**385**	8.5	**10.6**	42.3	**44.6**	8.0	**10.0**	36.4	**38.5**
390	**21.2**	294	**390**	8.5	**10.6**	42.4	**44.6**	8.0	**10.1**	36.7	**38.9**
395	**21.5**	298	**395**	8.5	**10.6**	42.4	**44.7**	8.1	**10.1**	37.0	**39.2**

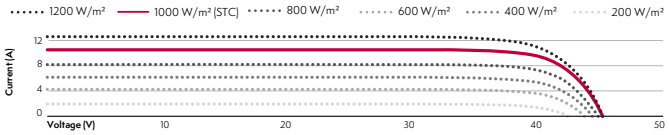
* (Power tolerance -0 W / +5 W for STC)

Temperature coefficients

Temperature coefficient of I_{SC}	α	[%/K]	+0.033
Temperature coefficient of V_{OC}	β	[%/K]	-0.234
Temperature coefficient of P_{MPP}	γ	[%/K]	-0.259
Nominal Module Operating Temperature	NMOT[3]	[°C]	44±2

The temperature coefficients stated are linear values.

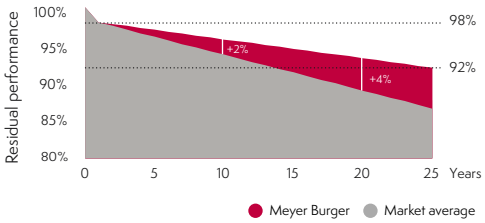
I-V curves at different irradiations



Properties for system design

Max. system voltage	[V]	1000
Overcurrent protection rating	[A]	20
Max. test load +/- (Safety factor for test load = 1.5)	[Pa]	6000/4000
Max. design load +/-	[Pa]	4000/2666
Safety class		II
Fire type (UL 61730)		5
Fire class (EN 13501-1 / DIN 4102-1)		E/B2/B_{ROOF}(t1)
Operation temperature	[°C]	-40 to +85

Meyer Burger warranty



2.0%
Degradation in 1st year

0.25%
Annual degradation

25 years
Product & power warranty

Certificates

Certification

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

Certification (pending)

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

Test procedure according to IEC standard

Market standard: 1× IEC

Meyer Burger materials testing: 3× IEC

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

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[1] Measurement according to IEC 60904-3, measurement tolerance: ±3%
[2] STC: Irradiance 1000 W/m², module temperature 25°C, AM1.5G spectrum
[3] NMOT: Nominal Module Operating Temperature, with irradiance 800 W/m², AM1.5G Spectrum, ambient temperature 20°C

As of: August 2022 – Version Q3_2022_V4_en

WEEE Reg. No. DE 18170271