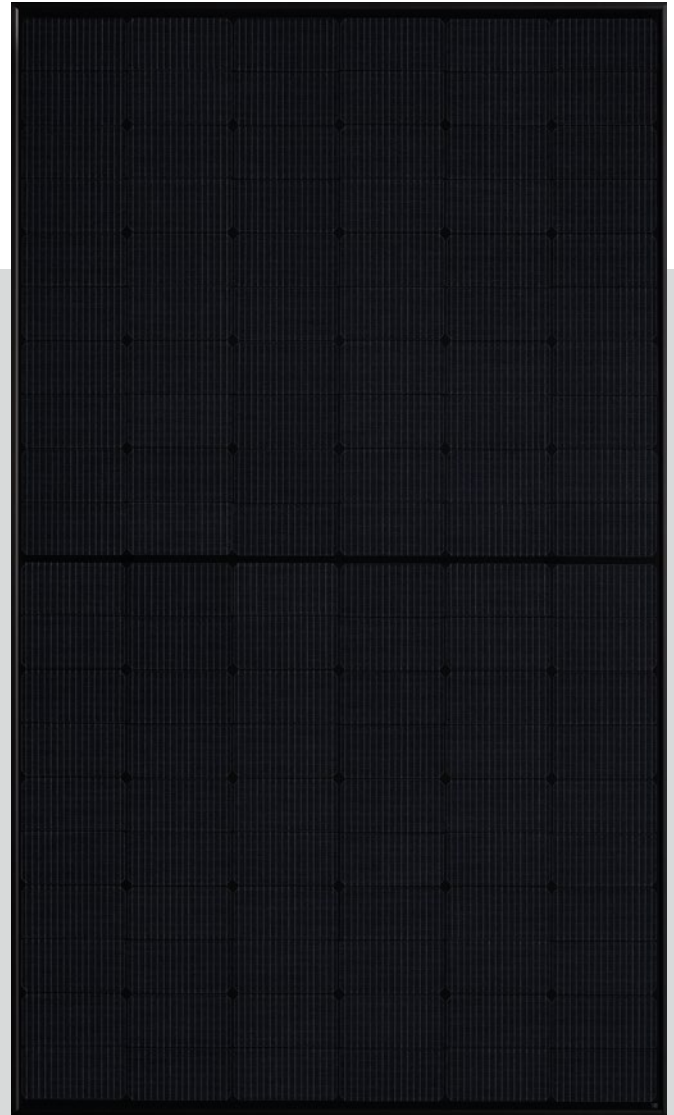


Meyer Burger Black

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.
- 

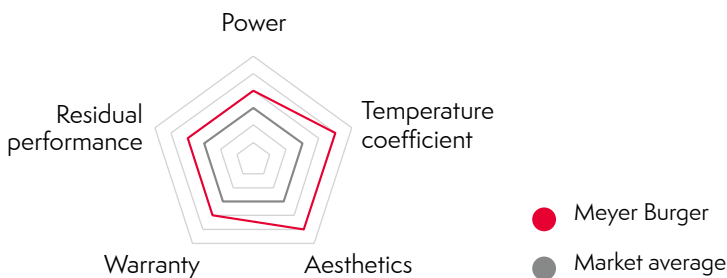
Highly profitable
More energy yield over the same area even on cloudy or hot days.
- 

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.
- 

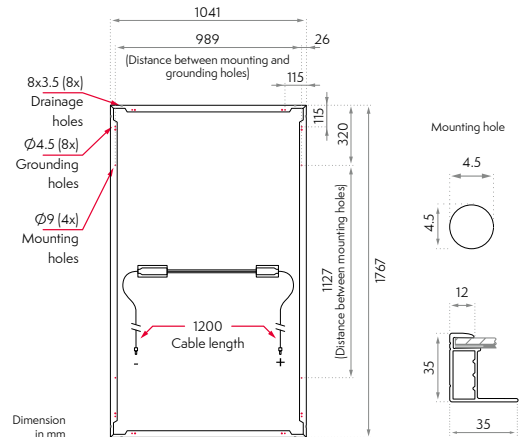
Guaranteed reliability
Industry-leading 25-year product and performance warranty.
- 

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

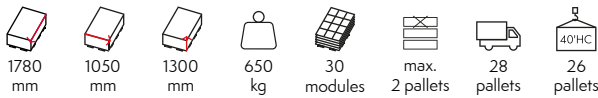


Mechanical specification

Dimensions [mm]	1767 x 1041 x 35
Weight [kg]	19.7
Front glass	Tempered solar glass, 3.2 mm, with anti-reflective surface
Back glass	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 mm ² , 1.2 m length in accordance with EN 50618
Connectors	MC4/MC4-Evo2 in accordance with IEC 62852, IP68 rated only when connected



Packages



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

Electrical specification¹

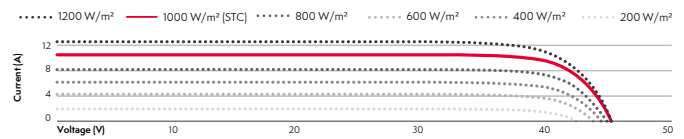
Power class in STC ²			375		380		385		390		395	
Minimum performance (power tolerance -0 W/+5 W)			STC	NMOT ³	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
	Power at MPP	P_{mpp}	[W]	375	286	380	292	385	297	390	298	395
Short circuit current	I_{sc}	[A]	10.6	8.6	10.6	8.6	10.7	5.6	10.8	8.7	10.9	8.8
Open circuit voltage	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_{mpp}	[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_{mpp}	[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	[%/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.

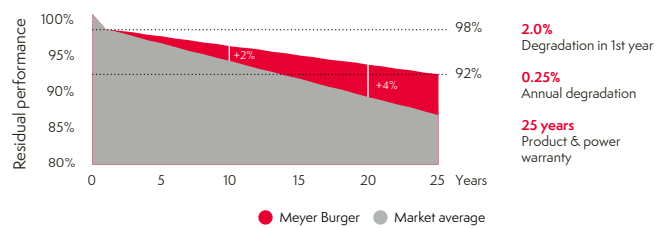
I-V curves at different irradiances



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
Operation temperature	[°C]	-40 to +85

Meyer Burger warranty



Certificates

Certification

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

Certification (pending)

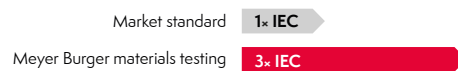
Salt Mist (IEC 61701), Ammonia Resistance (IEC 62716),

Dust & Sand (IEC 60068)

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

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Test procedure according to IEC standard



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