

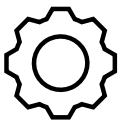
660-700 Watt

MONO-FACIAL MODULE P-Type



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



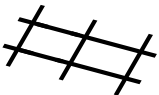
Maximum quality

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

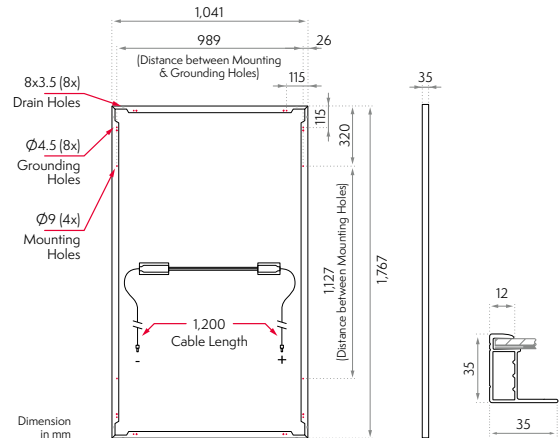
Understated and superb design – invented in Switzerland

GS Holding GmbH

KORNMARKTARKADEN,
60311 Frankfurt,
Germany
www.groupgshk.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, white
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

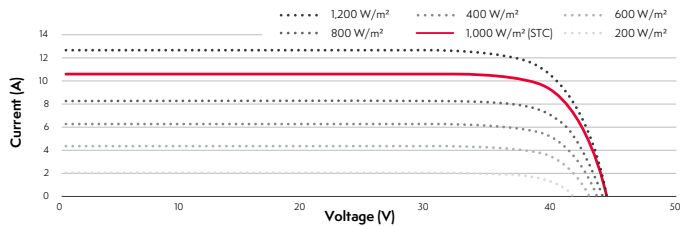
Power class in STC ² [W _p]	380		385		390		395		400			
Minimum Performance (Power Tolerance -0 W/+5 W) [W _p]	STC	NMOT ³	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT		
Power at MPP	P_{mpp}	[W]	380	291	385	294	390	299	395	301	400	306
Short Circuit Current	I_{sc}	[A]	10.8	8.7	10.9	8.8	10.9	8.8	11.0	8.9	11.1	9.0
Open Circuit Voltage	V_{oc}	[V]	44.4	41.8	44.5	41.9	44.5	41.9	44.6	42.0	44.7	42.1
Current at MPP	I_{mpp}	[A]	10.3	8.3	10.3	8.3	10.4	8.4	10.4	8.4	10.5	8.5
Voltage at MPP	V_{mpp}	[V]	37.2	35.1	37.6	35.4	37.8	35.6	38.0	35.8	38.2	36.0
Efficiency	η	[%]	20.7		20.9		21.2		21.5		21.7	

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
Operation 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 (to come)

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)

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

Made in Germany.
Designed in Switzerland.



WEEE-Reg.-Nr. DE 18170271

¹ Measurement according to IEC 60904-3, measurement tolerance: ±3%, monofacial measurement with rear side covered
² STC: Irradiance 1000 W/m², 25 °C, AM1.5 Spectrum
³ NMOT: Nominal Module Operating Temperature, with irradiance 800 W/m², AM1.5 Spectrum, 20 °C, wind speed 1 m/s