

EXCELLENT GLASS/GLASS M54 black | full black

MONOCRYSTALLINE 285-295 WP



Long lifetime even under extreme conditions

2 x 2 mm strong, hardened and scratch resistant solar glass

Protection of cells against microcracks through double glass composite

Maximum test load 8.100 Pa.²

Original MC4 plugs and fire resistant cables

Stability optimized for increased requirements due to slipping snow loads (optional)

Extended hail impact tests to 30 mm

Optimized for performance

PID-free monocrystalline high performance solar cells

Antireflective coated solar glass

Low-light optimized

Positively classified -0/+4.99 Wp

Industry-leading NMOT values

Highest quality standards

Manufactured according to DIN EN ISO 9001:2015 DIN EN ISO 14001:2015 DIN EN ISO 45001:2018

PV-module type approval according to IEC 61215:2016 ³

PV-module safety qualification according to IEC 61730:2016 ³

Resistant to ammonia accoring to IEC 62716:2013

Guaranteed performance ¹

30 years of linear performance guarantee

20 years product guarantee, optional extension to 30 years

Total Care for the entire system (optional)

¹ For detailed information please consult the CS Wismar GmbH warranty conditions

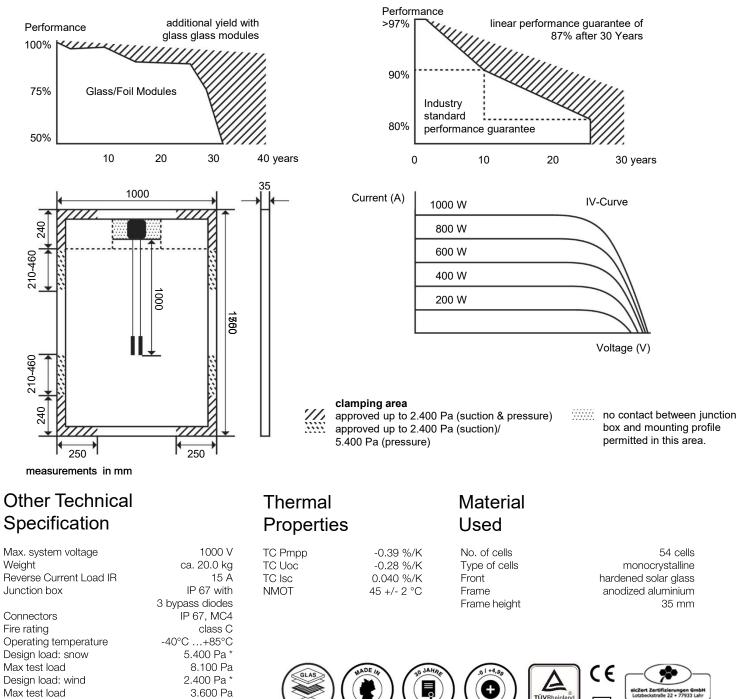
² See backside for detailed test loads

³ Subject to recertification

EXCELLENT GLASS/GLASS 285 | 290 | 295 MS4

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Performance STC:	Nominal Power Pmpp (Wp)	285	290	295	
Under standard Test Conditions STC:	Open Circuit Voltage Uoc (V)	36,32	36,37	36,42	
1000 W/m ² ; spectrum AM 1.5;	Voltage Umpp (V)	30,07	30,31	30,54	
Cell temperature 25°C	Short Circuit Current Isc (A)	10,06	10,17	10,28	
Measurement tolerance STC:	Current Impp (A)	9,48	9,57	9,66	
Pmpp ±3%; lsc ±10%; Uoc ±10%	Efficiency n (%)	18,4	18,7	19,0	
Performance NMOT Nominal operating temperature of module 800 W/m ² , NMOT, AM 1.5	Reduction of module efficiency at rec Nominal Power Pmpp (Wp) Open Circuit Voltage Uoc (V) Voltage Umpp (V) Short Circuit Current Isc (A) Current Impp (A)	luction from 1 222 33,97 29,37 8,13 7,57	1000 W/m² to 200 W/m 226 34,01 29,58 8,22 7,64	2: 3,3% ± 0,5% (relat 230 34,06 29,77 8,31 7,71	tive)



* safety factor 1.5

Zertifiziert nach NEN ISO 9001 EN ISO 14001 EN ISO 45001

CERTIFIED

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