



### MONOCRYSTALLINE 275-290 WP

### Long lifetime even under extreme conditions

2 x 2 mm strong, scratchresistant thermally hardened solar glass

Glass-Glass composite technology minimizes impact of environmental factors

cells in neutral phase are especially protected against tensile and pressure loads

## Optimized for performance

PID-free monocrystalline high performance solar cells

Antireflective coated and light-transmitting solar glass

Best low-light behavior

Positively classified -0/+4.99 Wp

Industry-leading NMOT values

# Highest quality standards

Manufactured in accordance with DIN EN ISO 9001:2015 DIN EN ISO 14001:2015 BS OHSAS 18001:2007

PV-module type approval according to IEC 61215:2016<sup>1</sup>

PV-module safety qualification according to IEC 61730:2016<sup>1</sup>

#### Performance guarantee degradation below industry standard \*

blac

ES

alance

Ω

30 years linear performance guarantee

20 years product guarantee

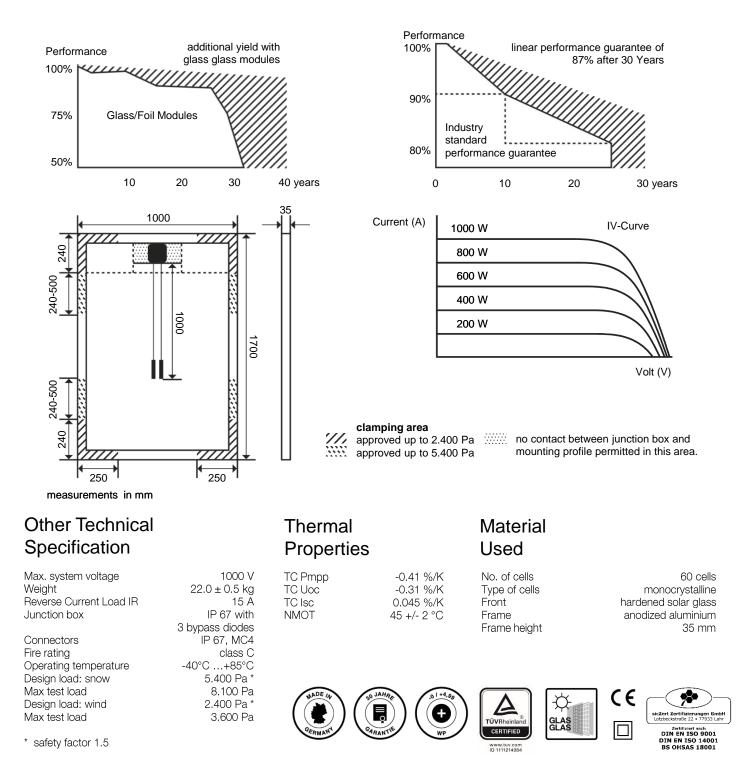
Optional extension of product guarantee to 30 years

Optional Total Care for the entire system

\* For detailed information please consult the CS Wismar GmbH warranty conditions <sup>1</sup> Subject to recertification

## EXCELLENT GLASS/GLASS 275 | 280 | 285 | 290 M60 balance | smart | black

Performance STC:	Nominal Power Pmpp (Wp)	275	280	285	290
Under standard Test Conditions STC:	No-load voltage Uoc (V)	38,99	39,16	39,33	39,48
1000 W/m <sup>2</sup> ; spectrum AM 1.5;	Voltage Umpp (V)	31,27	31,64	32,01	32,37
Cell temperature 25°C	Short Circuit Current Isc (A)	9,37	9,46	9,54	9,63
Measurement tolerance STC:	Current Impp (A)	8,80	8,87	8,90	8,95
Pmpp ±3%; lsc ±10%; Uoc ±10%	Efficiency <b>n</b> (%)	16,2	16,5	16,8	17,1
Performance NMOT Nominal operating temperature of module 800 W/m <sup>2</sup> , NMOT, AM 1.5	Reduction of module efficiency at red Nominal Power Pmpp (Wp) No-load voltage Uoc (V) Voltage Umpp (V) Short Circuit Current Isc (A) Current Impp (A)	duction from 1000 \ 215 36,21 30,58 7,58 7,03	W/m² to 200 W/m²: 219 36,36 30,91 7,65 7,09	1,4% ± 0,8% (relati 222 36,52 31,23 7,72 7,11	ve) 226 36,66 31,55 7,79 7,15



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