



# Vision frameless

Monocrystalline, 255 – 265 Wp

Maximum performance for a lifetime



Performance guarantee: degradation significantly below industry standard

- ✓ 30 year linear performance guarantee (min 85% after 30 years)
- ✓ 25% more guaranteed power yield
- ✓ PID free high-performance cells
- ✓ Anti-reflective coated, high light-transmitting solar glass
- ✓ Best low-light behavior



20 year product guarantee: Long lifetime even under extreme conditions

- ✓ 2x2 mm, scratch-resistant thermally hardened thin glass
- ✓ Glas-glas composite technology minimizes impact of environmental factors
- ✓ Cells in neutral phase are especially protected against tensile and pressure loads



Complementary: flexible and simple installation

- ✓ Even lighter than regular glas-glas modules
- ✓ Manufactured in the CS Wismar factory, certified in accordance with DIN EN ISO 9001:2008, ISO 14001:2009 and OHSAS 18001:2007
- ✓ Design qualification and type approval according to IEC 61215
- ✓ Photovoltaic module safety qualification according to IEC 61730
- ✓ Fire protection: tested in accordance with DIN ENV 1187 (t1)



- ✓ **monocrystalline cells**
- ✓ **glas-glas laminate**
- ✓ **frameless**
- ✓ **backside in colors**  
- **black**  
- **white**  
- **transparent**
- ✓ **Positiv classified -0/+5 Wp**

\* For detailed information, please consult the CS Wismar GmbH warranty conditions





### Performance under STC\*

Module type	Vision 255MFL60 frameless	Vision 260MFL60 frameless	Vision 265MFL60 frameless
Nominal power ( $P_{mpp}$ )	255 W	260 W	265 W
Open-circuit voltage ( $U_{oc}$ )	37.69 V	37.75 V	37.84 V
Voltage ( $U_{mpp}$ )	30.48 V	30.73 V	31.01 V
Current ( $I_{mpp}$ )	8.37 A	8.47 A	8.55 A
Short-circuit current ( $I_{sc}$ )	8.90 A	8.97 A	9.04 A
Efficiency $\eta$	15.4 %	15.7 %	16.0 %

\*Under Standard Test Conditions (STC) (1.000 W/m<sup>2</sup>, spectrum AM 1.5, cell temperature 25°C), measurement tolerances STC: ±3% ( $P_{mpp}$ ); ±10% ( $I_{sc}$ ,  $U_{oc}$ ,  $I_{mpp}$ ,  $U_{mpp}$ )

### Power at 800 W/m<sup>2</sup>, NOCT, AM 1.5

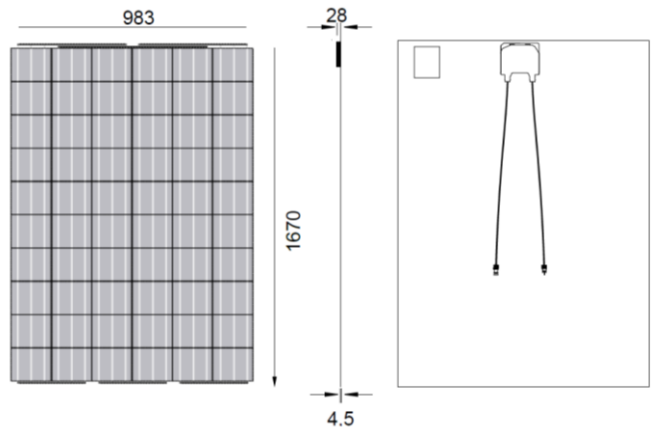
Modul type	Vision 255MFL60 frameless	Vision 260MFL60 frameless	Vision 265MFL60 frameless
Nominal power ( $P_{mpp}$ )	190 W	194 W	197 W
Short-circuit current ( $I_{sc}$ )	7.16 A	7.22 A	7.28 A
Open-circuit voltage ( $U_{oc}$ )	35.47 V	35.52 V	35.60 V
Voltage ( $U_{mpp}$ )	28.50 V	27.71 V	28.95 V
Current ( $I_{mpp}$ )	6.67 A	6.75 A	6.82 A

### Thermal properties

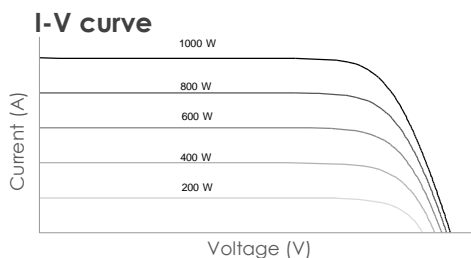
TC $P_{mpp}$	-0.43 %/K
TC $U_{oc}$	-0.35 %/K
TC $I_{sc}$	0.03 %/K
NOCT	46 ± 2 °C

### Other technical specification

Positive power classification	-0/+4.99 W
Max. system voltage	1000 V
Weight	19.0 ± 0.5 kg
Reverse current load IR	15 A
Laminate thickness	4.5 mm
Number of bypass diodes in connector	3 pcs
Junction box	IP65



Measurements in mm



Updated 05/2016. All information is supplied without guarantee. Technical changes reserved.

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