

## Professional black

Polycrystalline, 250 – 265 Wp

Powerful. Attractive. Versatile.

Improved appearance:

- ✓ Elegant and attractive design with optional black back side and black frame

Flexible and simple installation:

- ✓ Extended clamping areas
- ✓ Upside down installation possible
- ✓ Up to 5,400 Pa load

Optimized for power:

- ✓ Anti-reflective glass ensures high yields even under diffuse irradiation
- ✓ Positive power classification
- ✓ Industry-leading NOCT values
- ✓ 100% PID safe

Warranty and safety:

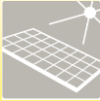
- ✓ Manufactured in the CS Wismar factory, certified in accordance with DIN EN ISO 9001:2008, ISO 14001:2009 and OHSAS 18001:2007
- ✓ Design qualification and type approval according to IEC 61215
- ✓ Photovoltaic module safety qualification according to IEC 61730
- ✓ Salt spray corrosion testing according to IEC 61701
- ✓ Ammonia resistance testing according to IEC 62716
- ✓ 10-year product warranty \*
- ✓ 26-year linear performance guarantee



- ✓ **polycrystalline cells**
- ✓ **glas-foil laminate**
- ✓ **black anodized frame**
- ✓ **black backside**
- ✓ **Positiv classified -0/+5 Wp**

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





## Performance under STC\*

Module type	Professional 250P60 black	Professional 255P60 black	Professional 260P60 black	Professional 265P60 black
Nominal power ( $P_{mpp}$ )	250 W	255 W	260 W	265 W
Open-circuit voltage ( $U_{oc}$ )	37.62 V	37.69 V	37.79 V	37.89 V
Voltage ( $U_{mpp}$ )	29.73 V	29.87 V	30.06 V	30.23 V
Current ( $I_{mpp}$ )	8.41 A	8.54 A	8.65 A	8.77 A
Short-circuit current ( $I_{sc}$ )	8.91 A	8.99 A	9.07 A	9.15 A
Efficiency $\eta$	15.2 %	15.5 %	15.8 %	16.1 %

\*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

Module type	Professional 250P60 black	Professional 255P60 black	Professional 260P60 black	Professional 265P60 black
Nominal power ( $P_{mpp}$ )	187 W	191 W	195 W	198 W
Short-circuit current ( $I_{sc}$ )	7.17 A	7.23 A	7.30 A	7.36 A
Open-circuit voltage ( $U_{oc}$ )	35.39 V	35.44 V	35.53 V	35.62 V
Voltage ( $U_{mpp}$ )	27.91 V	28.03 V	28.19 V	28.34 V
Current ( $I_{mpp}$ )	6.70 A	6.81 A	6.90 A	7.00 A

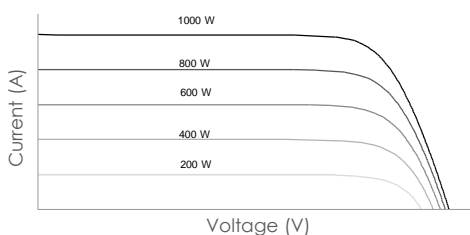
## Thermal properties

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

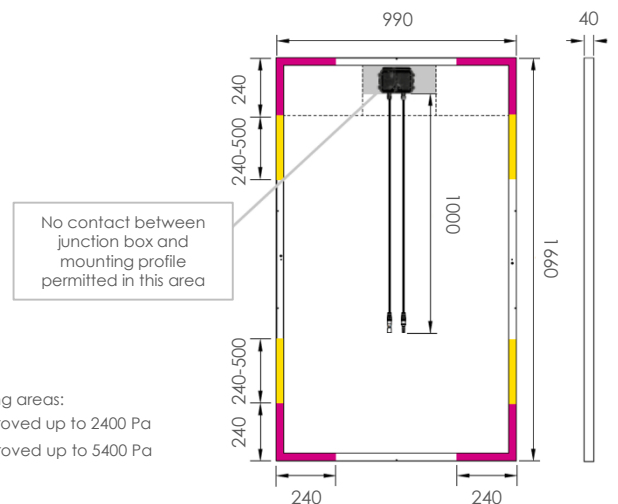
## Other technical specification

Positive power classification	-0/+4.99 W
Max. system voltage	1000 V
Weight	19.0 ± 0.5 kg
Reverse current load IR	15 A
Junction box	IP 65
Frame height	40 mm
Bypass diodes in connector	3 pcs

## I-V curve



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



Measurements in mm

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