



# AZUR P 230-3

Polycrystalline silicon high-power panel  
with a peak power rating of 230 W

- +3 % / -0 % output tolerance ensure a high productivity
- Minimized power drop of partially shaded areas by the use of bypass-diodes
- Performance test certificates for each module upon request

# AZUR P 230-3



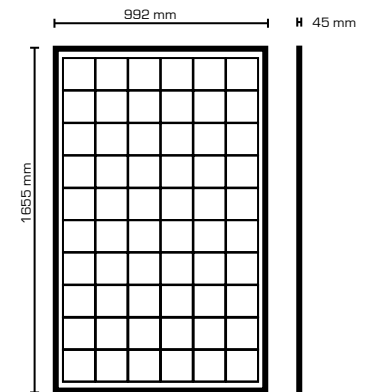
Polycrystalline silicon high-power panel with a peak power rating of 230 W

## ELECTRICAL CHARACTERISTICS

Standard test conditions: irradiation 1.000 W/m <sup>2</sup> ; module temperature 25 °C		
Maximum power +3 % / -0 %	P <sub>max</sub>	230 Wp
Open circuit voltage	V <sub>oc</sub>	36,9 V
Maximum power voltage	V <sub>mpp</sub>	30,2 V
Maximum power current	I <sub>mpp</sub>	7,62 A
Short circuit current	I <sub>sc</sub>	8,31 A
Modul efficiency	η	14 %
Maximum system voltage SK II	V <sub>DC</sub>	1.000 V
Maximum reverse current	I <sub>R</sub>	15 A

The values are subject to production tolerances.  
The modules can be delivered with their characteristic data series.

## DIMENSIONS

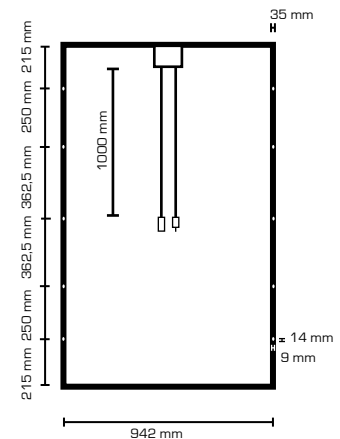


## TEMPERATURE COEFFICIENTS

NOCT		47 ± 2 °C
Operating temperature		-40 °C bis +85 °C
Temperature coefficient	dI <sub>sc</sub>	+0,055 %/°C
Temperature coefficient	dV <sub>oc</sub>	-0,347 %/°C
Temperature coefficient	dP <sub>max</sub>	-0,48 %/°C

## MECHANICAL CHARACTERISTICS

Dimensions (L x W x H)	1655 x 992 x 45 mm
Weight	22,5 kg
Junction box	6 bypass-diodes
Cable type	1000 mm length, 4 mm <sup>2</sup> , MC-4 compatible
Glass type	ESG, thickness 3,2 mm (toughened safety glass)
Solar cells	monocrystalline silicon photovoltaic cell
Cell encapsulation sheet	EVA (ethylene vinyl acetate), 60 serial connection
Frame	anodized aluminium profile with drainage holes



## GUARANTEES & CERTIFICATE

Warranty period	5 years
Guaranteed power output	10 years: 90 % of nominal power rating 25 years: 80 % of nominal power rating
Certificates	VDE: IEC 61215 (2), IEC 61730-1 (1), IEC 61730-2 (1)



Your specialist retailer

For further information:

[www.azur-solar.com](http://www.azur-solar.com)

AZUR Solar GmbH  
Im Alpenblick 30/1  
D-88239 Wangen-Primisweiler  
Tel. +49 (0) 75 28/92 08-0