

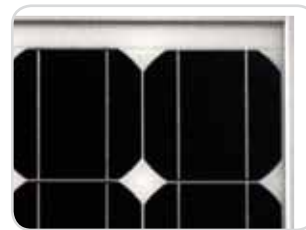


# AZUR M 185-3

Monocrystalline silicon high-power panel  
with a peak power rating of 185 W

- +5 W /-0 W output tolerance ensure a high productivity
- Minimized power drop of partially shaded areas by the use of bypass-diodes
- Flash report for each panel upon request
- Also available in black

# AZUR M 185-3



Monocrystalline silicon high-power panel with a peak power rating of 185 W

## ELECTRICAL CHARACTERISTICS

Standard test conditions: irradiation 1,000 W/m <sup>2</sup> ; module temperature 25 °C		
Maximum power +5 W / -0 W	P <sub>max</sub>	185 Wp
Open circuit voltage	V <sub>oc</sub>	45 V
Maximum power voltage	V <sub>mpp</sub>	36,27 V
Maximum power current	I <sub>mpp</sub>	5,1 A
Short circuit current	I <sub>sc</sub>	5,5 A
Modul efficiency	η	14,5 %
Maximum system voltage	V <sub>DC</sub>	1,000 V
Maximum reverse current	I <sub>R</sub>	10 A

## TEMPERATURE COEFFICIENTS

NOCT	47 ± 2 °C	
Operating temperature	-40 °C bis +85 °C	
Temperature coefficient	αI <sub>sc</sub>	+0,042 %/°C
	αV <sub>oc</sub>	-0,400 %/°C
	αP <sub>max</sub>	-0,539 %/°C

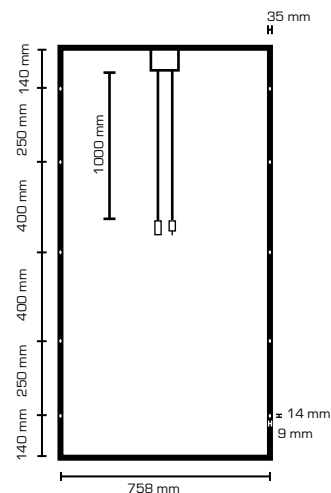
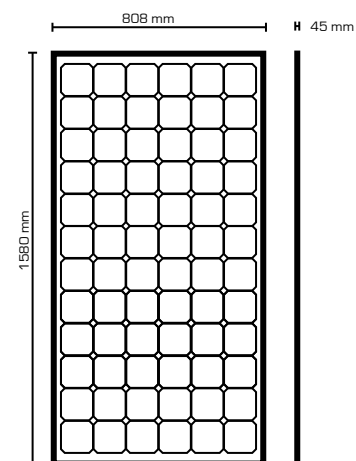
## MECHANICAL CHARACTERISTICS

Dimensions (L x W x H)	1,580 x 808 x 45 mm
Weight	15,5 kg
Junction box	3 bypass-diodes
Cable/Connections	4 mm <sup>2</sup> x 1,000 mm length, MC-4 / MC-4 compatible
Glass type	toughened safety glass, high transmis, low iron, tempered glass 3.2 mm
Solar cells	monocrystalline photovoltaic cells 125 x 125 mm, 72 serial connection
Cell encapsulation sheet	EVA (ethylene vinyl acetate)
Frame	anodized aluminium profile with drainage holes
Mechanical load	≤ 5,400 Pa

## GUARANTEES & CERTIFICATE

Warranty period	5 years
Guaranteed power output	10 years: 90 % of nominal power rating
	25 years: 80 % of nominal power rating
Certificates	TUV: IEC 61215, IEC 61730
	MCS: Certificate Number BAPT 8528

## DIMENSIONS



Your specialist retailer



Certificate Number BAPT 8528

For further information:  
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