

AZUR P 230-3

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

ELECTRICAL CHARACTERISTICS

Maximum power +5 W / -0 W	P_{max}	230 Wp
Open circuit voltage	V_{oc}	166 V
Maximum power voltage	V_{mp}	160 V
Maximum power current	I_{mp}	7.62 A
Short circuit current	I_{sc}	8.9 A
Modul efficiency	η	14%
Maximum system voltage	V_{sys}	1000 V (600 V UL)
Maximum reverse current	I_r	15 A

TEMPERATURE COEFFICIENTS

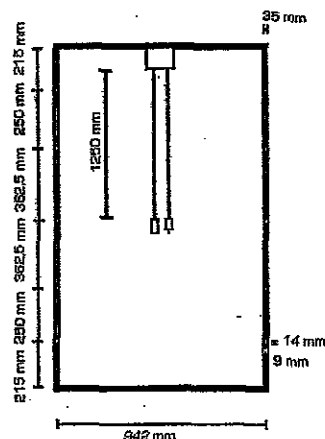
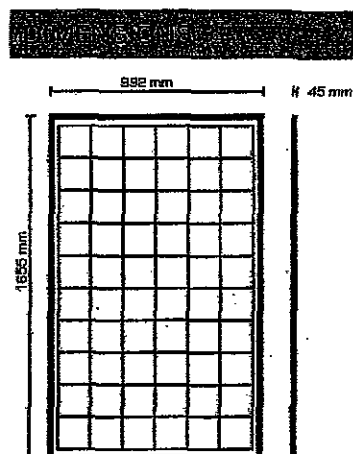
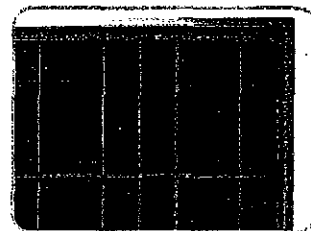
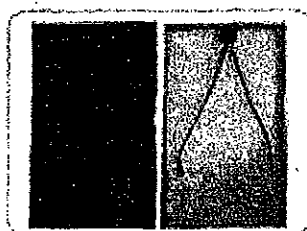
NOCT	47.3 °C
Operating temperature	40 °C till 85 °C
Temperature coefficient	α_{Id} 0.057 %/°C α_{V} 0.389 %/°C α_{P} 0.509 %/°C

MECHANICAL CHARACTERISTICS

Dimensions [L x W x H]	165 x 992 x 46 mm
Weight	22.5 kg
Junction box	6 bypass diodes
Cable/Connections	4 mm ² x 900 mm length MC-4 compatible couplers
Glass type	tempered safety glass, high transmiss, low iron, tempered glass 3.2 mm
Solar cells	polycrystalline photovoltaic cells 156 x 156 mm, 60 serial connection
Cell encapsulation sheet	EVA (ethylene vinyl acetate)
Frame	anodized aluminum profile with drainage holes
Mechanical load	≤ 5 400 Pa

GUARANTEE

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 MCS Certificate Number: BAP1-8528



SHDC
Planning & Development

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APPROVED PRODUCT



HABT

Certificate Number BABT 8528

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