

THE ANTARIS M6-SERIES



- ANTARIS modules are manufactured from high-quality components for worldwide use in grid-connected systems.
- Continuous quality controls throughout the entire production process
- Production using state-of-art quality assurance technology
- Quality assurance by an external, independent testing institute based in Germany

On the AS M6 series, we grant a 30-year performance guarantee and a 12-year product guarantee.



Also available
IN BLACK

AS M6 SERIES



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LIVING BY THE SUN!

ELECTRICAL PROPERTIES (STC*)

ANTARIS SOLAR AS M6 series	M6 260	M6 265	M6 270
Rated output (P _{max}) [Wp]	260	265	270
Voltage with P _{max} (V _{mpp}) [V]	30.7	30.9	31.0
Current with P _{max} (I _{mpp}) [A]	8.47	8.59	8.72
Open circuit voltage (V _{oc}) [V]	38.3	38.6	38.9
Short circuit current (I _{sc}) [A]	8.77	8.85	8.93
Output tolerance to rated output	0 - 5 W		
Max. reverse current (I _r) [A]	15		
Max. system voltage [V]	IEC 1000		
Degree of module effectiveness [%]	15.8	16.1	16.4
Application category	(as per IEC 61730) A		
Fire category	(as per IEC 61730) C(UL)		
Protection rating	(as per IEC 61730) II		

STC* (Standard test conditions): Irradiation 1000 W/m², module temperature 25°C, air mass 1.5

ELECTRIC OUTPUT WITH NOCT

ANTARIS SOLAR AS M6 series	M6 260	M6 265	M6 270
Rated output (P _{max}) [Wp]	196.8	200.6	204.4
Voltage with P _{max} (V _{mpp}) [V]	27.5	27.6	27.7
Current with P _{max} (I _{mpp}) [A]	7.16	7.26	7.37
Open circuit voltage (V _{oc}) [V]	35.0	35.2	35.5
Short circuit current (I _{sc}) [A]	7.46	7.53	7.60

NOCT: Irradiation 800 W/m², air 20°C, module temperature 45 +/- 2°C, air mass 1.5

TEMPERATURE PROPERTIES

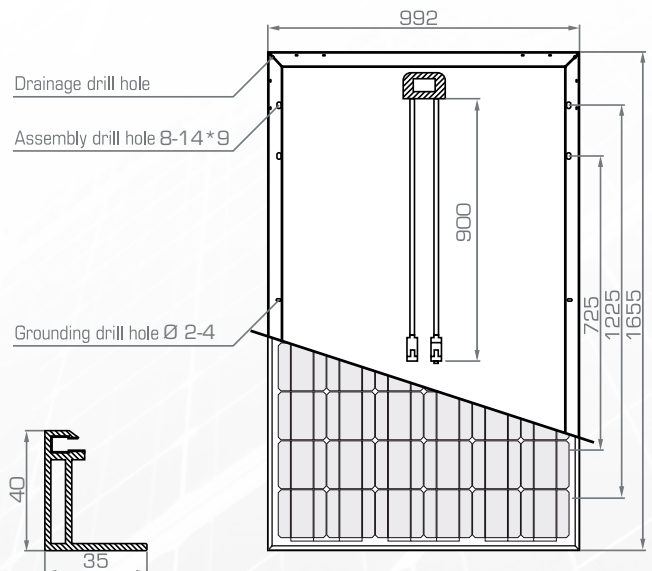
NOCT**	45 +/- 2°C
Temperature coefficient P _{max}	-0.445 %/°C
Temperature coefficient V _{oc}	-0.334 %/°C
Temperature coefficient I _{sc}	0.05 %/°C
Operating temperature	from -40 to +85°C

NOCT**: Nominal cell operating temperature sun 800 W/m², air 20°C, wind speed 1m/s

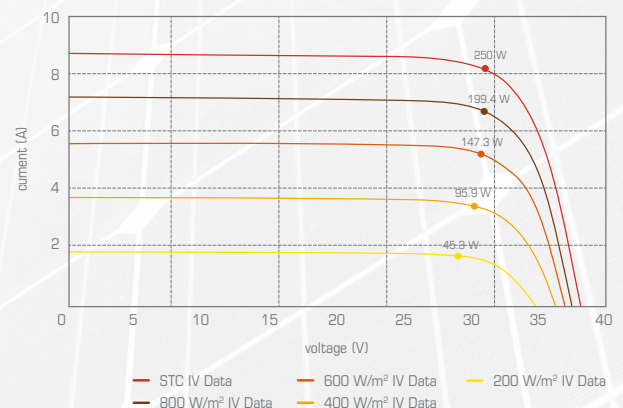
MECHANICAL PROPERTIES

Solar cells	60 (6x10) monocrystalline silicon solar cells, 156 x 156 mm
Front surface	3.2 mm thick, low-iron solar glass
Rear side cover	Film compound (EVA/TPT)
Frame	Anodised aluminium
Diodes	3 bypass diodes
Junction box	Protection degree IP65
Plug-in connector	MC4 compatible
Cables	Length: 900 mm / profile: 4 mm ²
Dimensions	1655 x 992 x 40 mm 65.1 x 39.1 x 1.57 inches
Weight	20 kg / 44.1 lbs
Snow load	5400 Pa
Wind load	240 kg/m ² (60 m/s)
Hail test	227 g steel balls from 1 m height
Performance guarantee	10 years at 90 %, 30 years at 80 % of the min. rated output

SCHEMATIC DIAGRAMM AS M6 SERIES



CURRENT-VOLTAGE CHARACTERISTIC CURVE



The typical change in the degree of module effectiveness with an irradiation of 200 W/m² instead of 1000 W/m² (both at 25°C and spectrum AM 1.5) < 3%