ANTARIS SOLAR Germany

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**

TEST 2012 AMMONIAC SAFE · HIGH resistance to snow load · PVRECYCLE · PI CON · ECO LABEL · 30 years performance warranty · 12 years PRODUCT WARRANTY

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 (Pmax)	[Wp]	260	265	270
Voltage with Pmax (Vmpp)	[V]	30.7	30.9	31.0
Current with Pmax (Impp)	[A]	8.47	8.59	8.72
Open circuit voltage (Voc)	[V]	38.3	38.6	38.9
Short circuit current (Isc)	[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 (Pmax)	[Wp]	196.8	200.6	204.4
Voltage with Pmax (Vmpp)	[V]	27.5	27.6	27.7
Current with Pmax (Impp)	[A]	7.16	7.26	7.37
Open circuit voltage (Voc)	[V]	35.0	35.2	35.5
Short circuit current (Isc)	[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

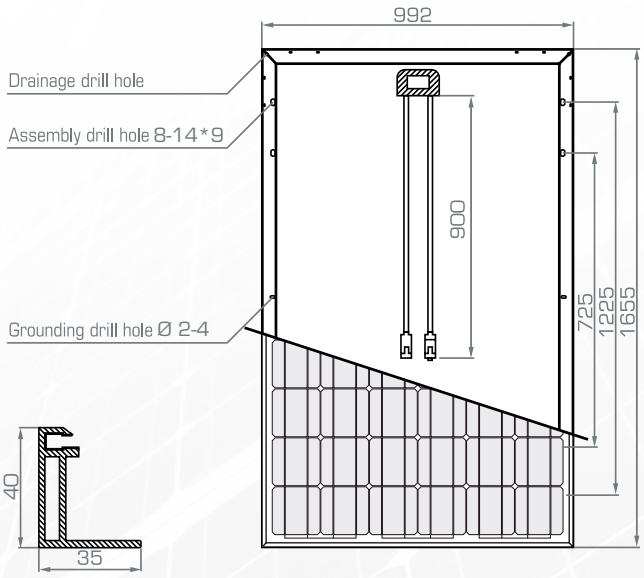
NOCT**	45 +/– 2°C
Temperature coefficient Pmax	–0.445 %/°C
Temperature coefficient Voc	–0.334 %/°C
Temperature coefficient Isc	0.05 %/°C
Operating temperature	from -40 to +85°C

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

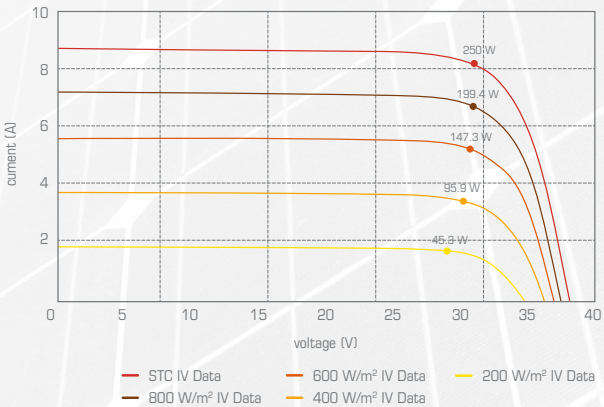
MECHANICAL PROPERTIES

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 mm²
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/m² (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%