ANTARIS SOLAR Germany

THE ANTARIS P6 SERIES

- Using high-quality components, ANTARIS modules are manufactured from high-quality components for use worldwide in photovoltaic systems.
- Continuous quality controls throughout the entire production process
- Production with the latest technology for quality assurance
- Quality assurance provided by external, independent testing institutes in Germany

We have granted the ANTARIS P6 SERIES a 30-year performance guarantee and a 12-year product guarantee

30 years performance warranty

12 years PRODUCT WARRANTY





Also available in **BLACK**

AS P6 SERIES

TÜV TEST 2012 AMMONIAC SAFE

HIGH resistance to snow load up to 6000 Pa

TÜVRheinland CERTIFIED www.tuv.com ID 0000037951

PVRECYCLE

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MCS

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LIVING BY THE SUN!

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ANTARIS SOLAR Germany

ELECTRICAL PROPERTIES (STC*)

ANTARIS SOLAR AS P6 series		P 250	P 255	P 260
Rated output (Pmax)	[Wp]	250	255	260
Voltage with Pmax (Vmpp)	[V]	30.3	30.5	30.7
Current with Pmax (Impp)	[A]	8.26	8.37	8.47
Open circuit voltage (Voc)	[V]	38.0	38.1	38.2
Short circuit current (Isc)	[A]	8.75	8.83	8.90
Output tolerance to rated output			0 ~ +3 %	
Max. reverse current (I_R)	[A]		15	
Max. system voltage	[V]		IEC 1000	
Degree of module effectiveness	[%]	15.37	15.67	15.98
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 P6 series		P 250	P 255	P 260
Rated output (Pmax)	[Wp]	183	186	190
Voltage with Pmax (Vmpp)	[V]	27.6	27.8	27.9
Current with Pmax (Impp)	[A]	6.64	6.70	6.81
Open circuit voltage (Voc)	[V]	35.0	35.1	35.2
Short circuit current (Isc)	[A]	7.09	7.15	7.21

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

TEMPERATURE PROPERTIES

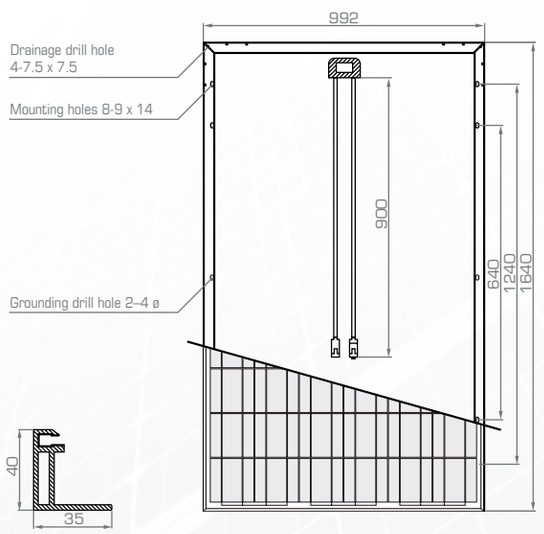
NOCT**	45 +/– 2°C
Temperature coefficient Pmax	–0.43 %/°C
Temperature coefficient Voc	–0.33 %/°C
Temperature coefficient Isc	0.056 %/°C
Operating temperature	from -40 to +85°C

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

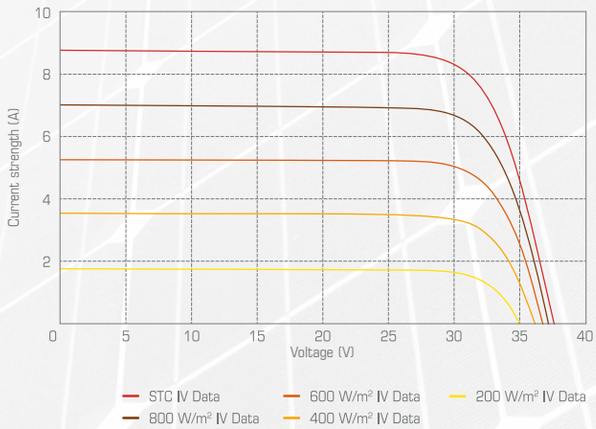
MECHANICAL PROPERTIES

Solar cells	60 (6x10) polycrystalline 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	6 bypass diodes
Junction box	Protection degree IP67
Plug-in connector	MC4 compatible
Cables	Length: 900 mm / profile: 4 mm²
Dimensions	1640 x 992 x 40 mm 64.57 x 39.1 x 1.57 inches
Weight	18.5 kg / 40.8 lbs
Snow load	5400 Pa
Wind load	60 m/s (200 kg/m²)
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

SCHEMA AS P6 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%

Last updated: June 2014

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