

Processing of high-quality cells



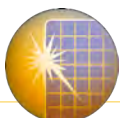
Frame-integrated drain and ventilation holes | Grounding holes



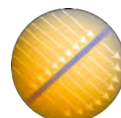
Guaranteed performance based on plus-graded power classes, 0 to 4,99 Wp



The frame is treated on the inside, so that a better run off for liquid and snow is ensured.



Individual assessment and measurement of the modules incl. el test | continuous quality inspections



Solar glass with thickness of 3.2 mm and certified class U1 warranted highest transmission values and highest efficiency.



Mechanical load up to 5,4 kN / m² | torsional rigidity by anodised aluminium module frames with twin walls



ALGATEC solar panels are manufactured in Germany.

10 years product warranty *
12,5 years warranty on 90% performance *
25 years warranty on 80% performance *



- Qualified, IEC 61215
- Safety tested, EN 61730
- Heavy Snow Load tested
- Periodic inspection



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Electrical properties NOCT

NOCT: 800 W / m², 47°C, AM 1,5

Type	Nominal power P _{mpp}	Nominal Voltage U _{mpp}	Nominal Current I _{mpp}	Short circuit Current I _{sc}	Open circuit Voltage U _{oc}
ASM-poly 6-6-54 / 215	153,45 W	26,49 V	6,45 A	6,94 A	30,45 V
ASM-poly 6-6-54 / 220	161,37 W	26,63 V	6,55 A	6,98 A	30,55 V

Electrical properties STC

STC: 1000 W / m², 25°C, AM 1,5

Type	Nominal power P _{mpp}	Nominal Voltage U _{mpp}	Nominal Current I _{mpp}	Short circuit Current I _{sc}	Open circuit Voltage U _{oc}	Module Efficiency
ASM-poly 6-6-54 / 215	215 W	26,74 V	8,15 A	8,64 A	32,95 V	14,60%
ASM-poly 6-6-54 / 220	220 W	27,22 V	8,22 A	8,69 A	33,10 V	14,90%

ALGATEC

ALGATEC solar panels are manufactured in Germany.

Our largely automated production process ensures a high, consistent product quality, and guarantees high efficiency and long life times by processing of certified materials.

ALGATEC solar modules are glass certified and comply with international standards.

technical data

General data

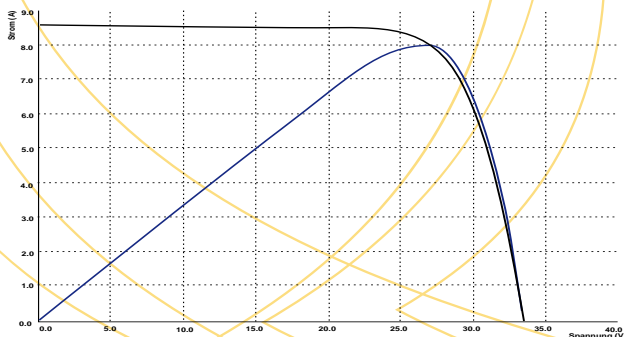
Application class	A (IEC 61730)
Modular design	glass-film-Laminat
Glass cover	Hard solar glass 3,2 mm
Encapsulation	EVA
Back side material	PET - Polyester fleece multi-layer
Solar cell	54 cells 156 x 156 mm, polycrystalline
Interconnection	lengthwise 6 x 9 cells
Connection box	IP 65, 3 Bypass - Diode
Connecting cable	2 x 1,00 m, 4 mm ² , MC 4 / compatible
Frame	Aluminium, hollow chamber profile anodized
Composite material	Silicon
Dimensions	1.490 x 990 x 42 mm (H x B x T)
Weight	18 kg
Mechanical capacitance	tested up to 5,4 kN / m ²

Further specific values

System-level integration	max. system voltage 1.000 V
Back current capacity	20 A
Back current cutout	Cable cutout max. 20 A
Measuring tolerance	Simulations test +/- 3%
Module degree of protection	IP 65
Type certification	IEC 61215 2nd ED, IEC 61730

Thermal properties

Ambient temperature	-45°C bis + 45°C
Operating temperature	-45°C bis + 80°C
Temperature coefficient PN	-0,423 % / K
TK U OC	-0,309 % / K
TK I SC	0,042 % / K
NOCT	47°C



State: 21.11.2012

This data sheet complies with the EN 50380.

This data sheet is available in several languages.

Technical changes reserved.

* pursuant to a valid warranty deed ALGATEC Solar AG.

