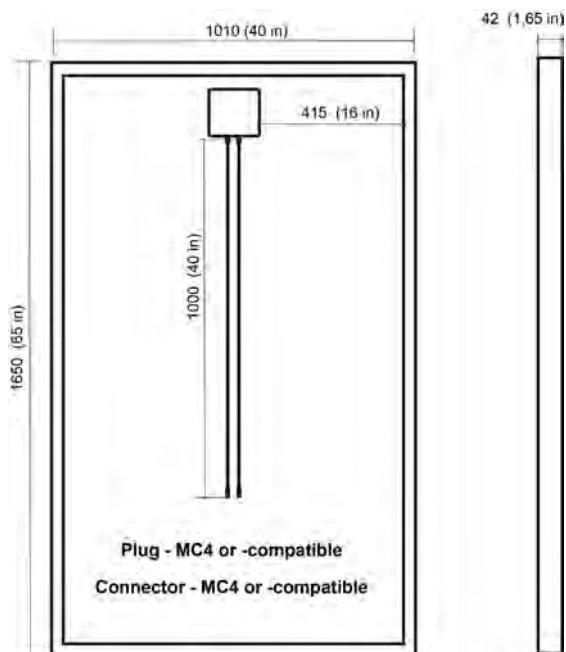
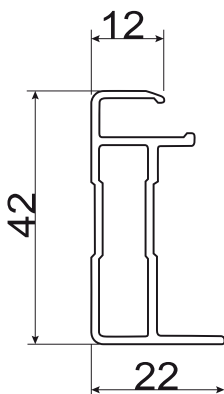




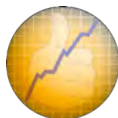
ASM poly 6- 6 Black



Processing of high-quality cells



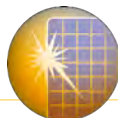
Frame-integrated drain and ventilation holes | Grounding holes



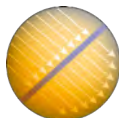
Guaranteed performance based on plus-graded power classes, 0 to 4,99 Wp



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

235 Wp - 240 Wp - 245 Wp - 250 Wp

ASM poly 6- 6 Black



ALGATEC Solarwerke
 Brandenburg GmbH
 Kotschkaer Weg 6
 D-04932 Roederland/OT Proesen

Tel.: +49 (0) 35 33 48 18 0
 Fax: +49 (0) 35 33 48 18 90
 e-mail: vertrieb@algatec.com
 Web: www.algatec.com



ASM poly 6- 6 Black

235 Wp - 240 Wp - 245 Wp - 250 Wp



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 / 235 Black	170,50 W	27,11 V	6,28 A	6,72 A	33,60 V
ASM poly 6-6 / 240 Black	174,20 W	27,40 V	6,36 A	6,82 A	33,70 V
ASM-poly 6-6 / 245 Black	179,30 W	27,50 V	6,52 A	7,12 A	34,20 V
ASM-poly 6-6 / 250 Black	183,00 W	28,73 V	6,37 A	6,96 A	35,42 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 / 235 Black	235 W	29,64 V	8,05 A	8,53 A	36,37 V	14,10%
ASM poly 6-6 / 240 Black	240 W	29,71 V	8,15 A	8,64 A	36,61 V	14,40%
ASM poly 6-6 / 245 Black	245 W	30,24 V	8,18 A	8,69 A	36,77 V	14,70%
ASM-poly 6-6 / 250 Black	250 W	31,60 V	8,00 A	8,50 A	38,10 V	15,10%

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 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	60 cells 156 x 156 mm, polycrystalline
Interconnection	lengthwise 6 x 10 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	1.650 x 1.010 x 42 mm (H x B x T)
Weight	19 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

Date: 28.08.2013

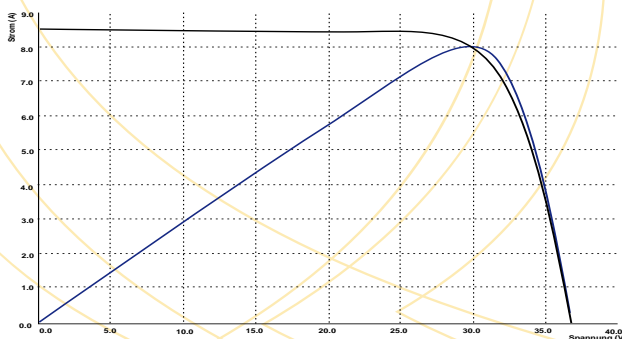
This data sheet complies with the EN 50360.

This data sheet is available in several languages.

Technical changes reserved.

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



* pursuant to a valid warranty deed ALGATEC

ASM poly 6- 6 Black

