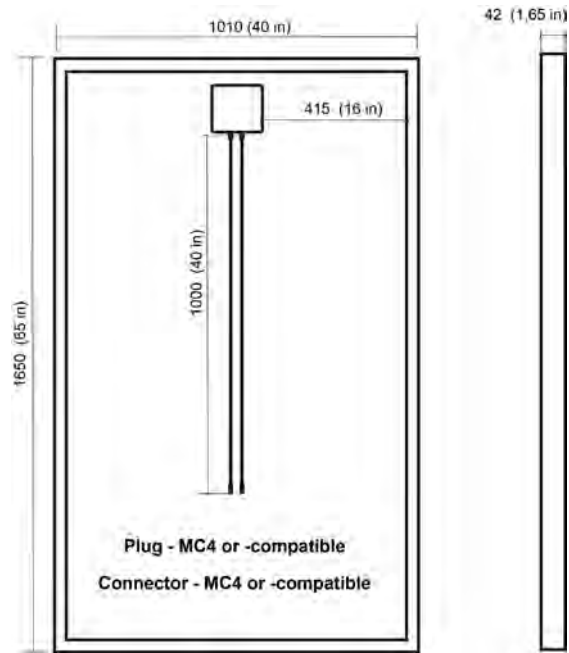
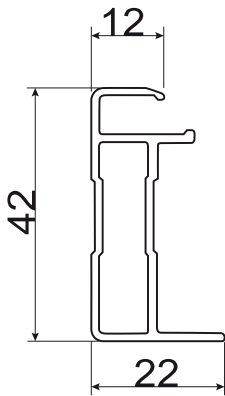




ASM mono 7-6



Processing of high-quality cells



Frame-integrated drain and ventilation holes | Grounding holes



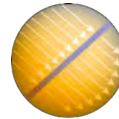
Guaranteed performance based on plus-graded power classes, 0 to 4,99 Wp



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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250 Wp - 255 Wp - 260 Wp - 265 Wp - 270 Wp

ASM mono 7-6



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 mono 7-6 / 250	180,00 W	28,20 V	6,40 A	6,92 A	34,50 V
ASM mono 7-6 / 255	183,60 W	28,21 V	6,51 A	6,98 A	35,00 V
ASM mono 7-6 / 260	186,50 W	28,30 V	6,60 A	7,10 A	35,20 V
ASM mono 7-6 / 265	190,10 W	28,40 V	6,65 A	7,16 A	35,30 V
ASM mono 7-6 / 270	193,72 W	28,71 V	6,69 A	7,20 A	35,41 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 mono 7-6 / 250	250 W	31,14 V	8,11 A	8,71 A	37,04 V	15,00 %
ASM mono 7-6 / 255	255 W	31,27 V	8,21 A	8,79 A	37,28 V	15,30 %
ASM mono 7-6 / 260	260 W	31,45 V	8,39 A	8,93 A	38,16 V	15,60 %
ASM mono 7-6 / 265	265 W	31,50 V	8,45 A	9,00 A	38,25 V	16,00 %
ASM mono 7-6 / 270	270 W	31,85 V	8,50 A	9,04 A	38,35 V	16,20 %

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

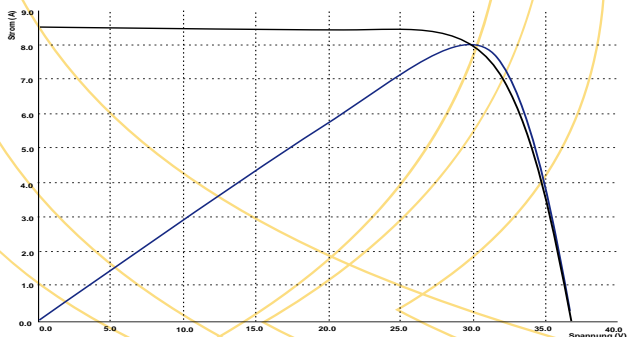
Application class	A (IEC 61730)
Modular design	glass-film-Laminat
Glass cover	Hard solar glass 3,2 mm
Encapsulation	EVA
Back side material	PET - Polyester fleece multi-layer
Solar cell	60 cells 156 x 156 mm, monocrystalline
Interconnection	lengthwise 6 x 10 cells
Connection box	IP 65, 3 Bypass - Diode
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

Thermal properties

Ambient temperature	-45°C bis + 45°C
Operating temperature	-45°C bis + 80°C
Temperature coefficient PN	-0,451 % / K
TK U OC	-0,325 % / K
TK I SC	0,045 % / K
NOCT	47°C



State: 29.05.2013

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.

