

AS-P361D SOLAR MODULE

36 POLYCRYSTALLINE CELLS
135 - 150 Wp

Compact-size photovoltaic module
made in Europe
ensuring stability and
performance



AEG solar modules are made of carefully selected and tested components to ensure the highest quality, reliable efficiency and a long product life-time.

Thanks to its compact size, the AEG polycrystalline solar module AS-P361D made in Europe and delivering up to 150 Wp represents the perfect match for small scale home systems up to commercial installations; it further provides a reliable source of power supply for remote locations that are not easily reached by conventional power lines.

AEG solar modules feature the latest certifications (IEC:61215, IEC:61730 a.o.) to ensure the highest quality and reliability.

The production facilities comply with the international standards of ISO 9001, ISO 14001 and OHSAS 18001. The AEG solar module AS-P361D offers a range of benefits as a 10 years limited product warranty as well as a linear power warranty for 25 years (power output no less than 97% of the minimum "Peak Power at STC" in the first year; power output decrease no more than 0.7% per year thereafter).



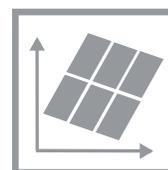
Comprehensively certified



Best fit for residential and small installations



Made in Europe -
Manufactured in Europe

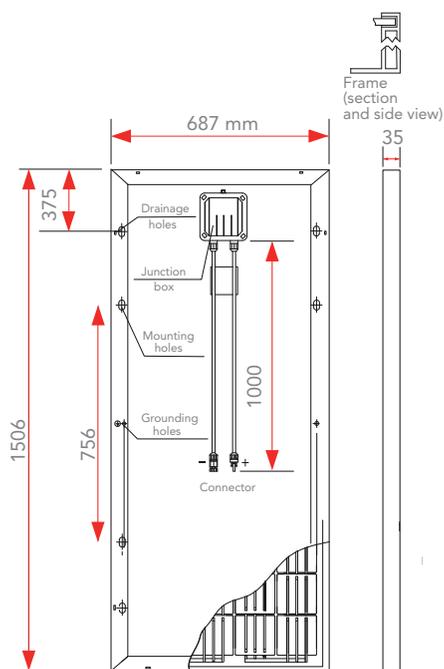


Compact size

AEG
perfekt in form und funktion

AS-P361D SOLAR MODULE

60 cells per module (156 x 156 mm / 6")



Module dimensions are expressed in mm with tolerance ± 2 mm (± 0.079 ")

TEMPERATURE CHARACTERISTICS:

NOCT	46°C
P_{max} Temp. Coeff. (γ)	- 1,01 W/°C
V_{oc} Temp. Coeff. (β)	- 128,4 mV/°C
I_{sc} Temp. Coeff. (α)	4,93 mA/°C
Operating temperature	-40°C to + 85°C

ELECTRICAL CHARACTERISTICS AT STC*:

Module Type: AS-P361D		140	150	160
Nominal Power (P_{max})	[Wp]	140	150	160
Tolerance on Nominal Power P_{max}^{**}	[Wp]	-0 / +5	-0 / +5	-0 / +5
Maximum Power Voltage (V_{mp})	[V]	17.66	17.72	17.79
Maximum Power Current (I_{mp})	[A]	7.93	8.74	9.01
Open Circuit Voltage (V_{oc})	[V]	22.37	22.47	22.57
Short Circuit Current (I_{sc})	[A]	8.35	8.90	9.44
Module Efficiency (η_m)		13.53%	14.49%	15.46%
Maximum System Voltage	[V]	1000	1000	1000
Series Fuse Maximum Rating	[A]	15	15	15

*Standard Test Conditions (STC): Irradiance 1000 W/m², Air Mass AM = 1.5, Cell Temperature 25°C; Power measurement uncertainty within $\pm 3\%$.

** AEG photovoltaic modules are classified according to a principle of positive power tolerance: the Power Output measured at STC of the delivered modules exceeds their assigned Nameplate Nominal Power at STC within a power tolerance range between -0 Wp and +5 Wp.

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MECHANICAL CHARACTERISTICS

Solar Cells	36 (4 x 9) polycrystalline silicon, 156 x 156 mm (6") solar cells
Front Glass	4.0 mm (0.157") high-transparency low iron tempered glass
Backsheet	White
Encapsulant	EVA (Ethylene-Vinyl Acetate)
Frame	Anodized aluminum alloy
Junction Box	IP67 rated, with 3 bypass diodes
Cables	UV resistant solar cable 1000 mm (39.37"), sec. 4.0 mm ² (12 AWG)
Connectors	MC4 compatible connectors
Dimensions	1506 x 687 x 35 mm (59.29 x 27.04 x 1.37")
Weight	11.0 kg (24.2 lbs)
Max. Load	Wind load: 2400 Pa / Snow load: 5400 Pa

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