

AS-P601D SOLAR MODULE

60 POLYCRYSTALLINE CELLS
255 - 265 Wp

High performance
photovoltaic module
made in Italy



AEG photovoltaic modules are made of carefully selected and tested components to ensure the highest quality, reliable efficiency and a long product life-time. The AEG Industrial Solar AS-P601D solar module delivering up to 265 Wp represents a highly flexible solution for all kinds of installation types - from small scale home systems up to commercial installations and utility scale ground-mounted systems.

AEG Industrial Solar solar modules feature the latest certifications such as TÜV, to ensure the highest quality and reliability and are compliant with the requirements of V Conto Energia DM 05/07/2012 art. 5, comma 2 Made in EU. Our production facilities comply with the international standards of ISO 9001,

ISO 14001 and OHSAS 18001. The AEG Industrial Solar AS-P601D solar module offers a range of benefits as a 10 years limited product warranty as well as a limited power warranty for 25 years with 90 % of nominal power output for the first 10 years and another 15 years with 80 % of the nominal power output. The module is further compliant with UNI 9177 requirements, according to which it is rated Fire Reaction Class 1.



Made in Italy -
Manufactured in Italy



Fire resistance
class 1 (UNI 9177)



Comprehensively
certified

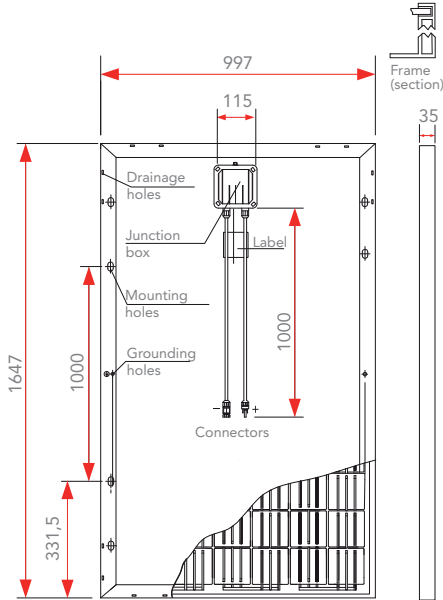


Extended hail tests

AEG
perfekt in form und funktion

AS-P601D 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 \pm 2°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

PACKING CONFIGURATION:

Packing Config.	29 pcs / pallet
Loading Capacity	812 pcs / 40 ft HC

ELECTRICAL CHARACTERISTICS AT STC*:

Module Type: AS-P601D		255	260	265
Nominal Power (P_{max})	[Wp]	255	260	265
Tolerance on Nominal Power P_{max}^{**}	[Wp]	-0 / 2.5	-0 / 2.5	-0 / 2.5
Maximum Power Voltage (V_{mp})	[V]	30.18	30.34	30.54
Maximum Power Current (I_{mp})	[A]	8.45	8.56	8.68
Open Circuit Voltage (V_{oc})	[V]	37.85	38.00	38.65
Short Circuit Current (I_{sc})	[A]	8.93	9.00	9.18
Module Efficiency (η_m)		15.52%	15.83%	16.14%
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 Industrial Solar 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	60 (6 x 10) polycrystalline silicon, 156 x 156 mm (6") solar cells
Front Glass	4.0 mm (0.15") high-transparency AR coating glass
Backsheet	White, PYE
Encapsulant	EVA (Ethylene-Vinyl Acetate)
Frame	Anodized aluminum alloy
Junction Box	IP65 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	1647 x 997 x 35 mm (64.84 x 39.25 x 1.37 ")
Weight	20 kg (44.09 lbs)
Max. Load	Wind load: up to 197 km/h / Snow load: up to 551 kg/m ²

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