

# AS-M367 SOLAR MODULE

36 MONOCRYSTALLINE CELLS  
155 - 180 Wp

Compact photovoltaic module  
with reliable power output  
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 monocrystalline solar modules AS-M367 delivering up to 180 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 (including a.o. IEC/EN 61215 / IEC/EN 61730-1/2) 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 AS-M367 solar module 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 decline no more than 0.7% per year thereafter).



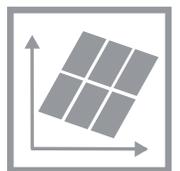
Comprehensively  
certified



Best fit for residential  
and small installations



Consistent and reliable  
yields



Compact size

**AEG**  
perfekt in form und funktion

# AS-M367

60 cells pro Module (156 x 156 mm / 6")

## ELECTRICAL CHARACTERISTICS AT STC\*:

Module type: AS-M367

		155	160	165	170	175	180
Nominal Power ( $P_{max}$ )	[Wp]	155	160	165	170	175	180
Tolerance on Nominal Power $P_{max}^{**}$	[Wp]	-0 / +5	-0 / +5	-0 / +5	-0 / +5	-0 / +5	-0 / +5
Maximum Power Voltage ( $V_{mp}$ )	[V]	18.6	18.8	19.0	19.2	19.4	19.6
Maximum Power Current ( $I_{mp}$ )	[A]	8.34	8.52	8.69	8.86	9.03	9.19
Open Circuit Voltage ( $V_{oc}$ )	[V]	23.0	23.2	23.4	23.6	23.8	24.0
Short Circuit Current ( $I_{sc}$ )	[A]	8.82	8.98	9.15	9.31	9.48	9.65
Module Efficiency ( $\eta_m$ )	%	15.63	16.14	16.64	17.14	17.65	18.15
Maximum System Voltage	[V]	1000	1000	1000	1000	1000	1000
Series Fuse Maximum Rating	[A]	15	15	15	15	15	15

## TEMPERATURE CHARACTERISTICS

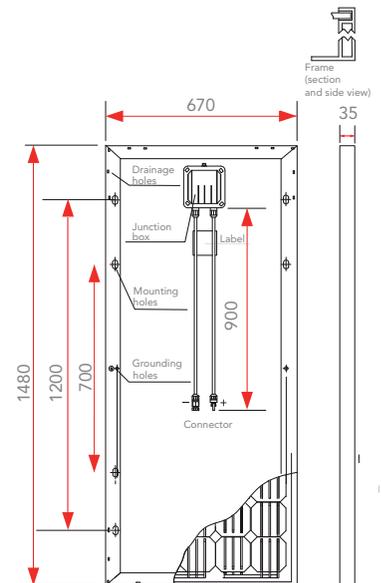
NOCT	45°C ± 2°C
$P_{max}$ Temperature Coefficient ( $\gamma$ )	-0.41 %/°C
$V_{oc}$ Temperature Coefficient ( $\beta$ )	-0.31 %/°C
$I_{sc}$ Temperature Coefficient ( $\alpha$ )	0.05%/°C
Operating temperature	-40°C to + 85°C

## MECHANICAL CHARACTERISTICS:

Solar Cells	36 (4 x 9) monocrystalline silicon, 156 x 156 mm (6") solar cells
Front Glass	3.2 mm (0.13") high-transparency glass, AR coating
Backsheet	White backsheet
Encapsulant	EVA (Ethylene-Vinyl Acetate)
Frame	Anodized aluminum alloy, silver
Junction Box	IP65 rated, 2 bypass diodes
Cables	UV resistant cable 900 mm (35.43"), sec.4.0 mm <sup>2</sup> (12 AWG)
Connectors	MC4 compatible connectors
Dimensions	1480 mm x 670 mm x 35 mm (58.27" x 26.38" x 1.38")
Weight	12 kg (26.5 lbs)
Max. Load	Wind: 2400 Pa / Snow: 5400 Pa

## PACKING CONFIGURATION:

Packing Configuration	29 pcs / pallet	Loading Capacity	1305 pcs / 40 ft HQ
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\*Standard Test Conditions (STC): Irradiance 1000 W/m<sup>2</sup>, Air Mass AM = 1.5, Cell Temperature 25°C; Power measurement uncertainty within ± 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.

Module dimensions in the technical picture are expressed in mm with tolerance ±2 mm (±0.079 "). © Solar Solutions GmbH. Specifications in this datasheet are subject to change without notice. Code: AS-M367-AE6N1-3BB 155-180 version 201702.1 EN

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