

PHOTOVOLTAIC MODULE AS-M1203 (M6 cells)



COMPREHENSIVELY CERTIFIED

AEG solar modules and production facilities are compliant with the the latest standards to guarantee safety and reliability. Production facilities are certified according to ISO 9001, ISO 14001 and OHSAS 18001. AEG solar products are certified among others by:







YOUR ADVANTAGE AT A GLANCE

Premium solar panel with quality components High efficiency - up to 380 Wp Product certified IEC 61215:2016, IEC 61730:2016 12 years Product warranty 25 years linear Power warranty



PHOTOVOLTAIC MODULE AS-M1203-H (M6 cells)



ELECTRICAL CHARACTER	RISTICS AT STC ¹	AS-M1203-H-370	AS-M1203-H-375	AS-M1203-H-380	
Nominal Power (Pmax)	[Wp]	370	375	380	
Power Sorting ²	[Wp]	-0 / +5	-0 / +5	-0 / +5	
Maximum Power Voltage (Vmp)	[V]	33.98	34.28	34.51	
Maximum Power Current (Imp)	[A]	10.89	10.94	11.01	
Open Circuit Voltage (Voc)	[V]	40.75	41.05	41.34	
Short Circuit Current (Isc)	[A]	11.35	11.42	11.49	
Module Efficiency (η m)		20.0%	20.3%	20.5%	
Maximum System Voltage	[V]	1000	1000	1000	
Series Fuse Maximum Rating	[A]	20	20	20	
ELECTRICAL CHARACTER	RISTICS NMOT ³				
Maximum Power (Pmax)	[W]	275.9	279.6	283.4	
Maximum Power Voltage (Vmp)	[V]	31.68	31.96	32.18	
Maximum Power Current (Imp)	[A]	8.71	8.75	8.81	
Open Circuit Voltage (Voc)	[V]	38.31	38.59	38.87	
Short Circuit Current (Isc)	[A]	9.13	9.19	9.24	

MECHANICAL CHARACTERISTICS

Solar cells 120 [(6 x 10) x 2] monocrystalline silicon, 166x 83 mm (M6) half-cut cells

Front glass 3.2 mm (0.12") high-transparency AR coating glass

Backsheet White backsheet

Encapsulant EVA (Ethylene-Vinyl Acetate)

Frame Anodized aluminum alloy, silver or black color ("zebra")

IP68, 3 bypass diodes Junction box

UV resistant cable 120 cm (47.2"), sec.4.0 mm² Cables

Connectors MC4 compatible connectors

Dimensions 1765 mm x 1048 mm x 35 mm (69.48" x 41.2" x 1.37")

20 kg (44.09 lbs) Weight

Wind: 2400 Pa / Snow: 5400 Pa Maximum load

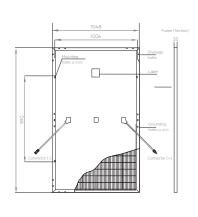
TEMPERATURE CHARACTERISTICS

NOCT	44°C ± 2°C
Pmax Temp. Coefficient (γ)	-0.34 %/C
Voc Temp. Coefficient (β)	-0.27 %/C
Isc Temp.Coefficient (α)	0.04 %/C
Operating temperature	-40°C to + 85°C

PACKING CONFIGURATION

Packing configuration	31 pcs / pallet
Loading capacity	806 pcs / 40 ft container

TECHNICAL DRAWINGS





- Module dimensions in the technical picture are expressed in mm with tolerance +2-mm (+0.079°)
 1 Standard Test Conditions (STC) Irradiance (1000 With", Air Mass AM 15. Cell Temperature 25°C). Tolerance on Pmax + 3%; Tolerance on Vox + 3%; Tolerance on Ivox + 3%; Tolerance on Vox + 3%; Tolerance on Ivox 3%; Toler

- 3 Nominal Moduse Operating) Lemperature (NMOL), Irradiance BOU Wimt; Wind Speed. 4- No less than 70% of the Iminimum "Peak Power at STC'in the first year; power output © Solar Solutions GmbH. Specifications in this datasheet are subject to change without AEG is a registered trademark used under license from AB Electrolux (publ).

WARRANTIES

Product warranty 12 years Performance warranty 25 years, linear 4

I-V CURVES / IRRADIANCES

