



PHOTOVOLTAIC MODULE

AS-M1202Z-BH

M6 CELLS / GLASS-GLASS BIFACIAL



360-375 Wp 120 MONOCRYSTALLINE BIFACIAL HALF-CUT CELLS

AEG solar modules combine the most advanced technology with high reliability in manufacture to offer you a product meant for high achievements



BIFACIAL CELL TECHNOLOGY FOR MORE YIELDS

Thanks to bifacial cell technology, AEG solar modules benefit of extra energy conversion surface on the module back. Capturing the reflected light of different installation surfaces, they are able to generate from 10% to 30% more yields.



EXTENSIVE WARRANTIES, EXTRA PEACE OF MIND

Thanks to their outstanding manufacturing quality, AEG Premium modules (glass-glass) are covered by 15 years warranty on the product and 30 years warranty on performance. For extra peace of mind, product warranty can optionally be extended to 30 years.

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:



www.aeg-industrialsolar.de

PREMIUM SERIES



PRODUCT NAMECODE (PNC)

AS-M1202Z-BH(M6)-360/365/370/375/HV
transparent glass, black frame

PRODUCT SERIES & NAMECODE (PNC)	
AEG PREMIUM SERIES	
AS-M1202Z-BH(M6)-360/365/370/375/HV	
Transparent glass, black frame	

ELECTRICAL SPECIFICATIONS - INTEGRATED POWER / POWER GAIN ^{4A}													
		360			365			370			375		
Pmax Gain	[%]	10	20	30	10	20	30	10	20	30	10	20	30
Maximum Power (Pmax)	[W]	396	432	468	401.5	438	474.5	407	444	481	412	450	487.5

ELECTRICAL CHARACTERISTICS AT STC ¹²				
Power rating (Front)	[Wp]	360	365	370
Power Sorting ³	[Wp]	-0/+5	-0/+5	-0/+5
Maximum Power Voltage (Vmp)	[V]	33.67	33.82	33.95
Maximum Power Current (Imp)	[A]	10.70	10.80	10.91
Open Circuit Voltage (Voc)	[V]	41.41	41.57	41.72
Short Circuit Current (Isc)	[A]	11.12	11.22	11.32
Module Efficiency (η_m)	[%]	19.76	20.04	20.31
Maximum System Voltage	[V]	1500	1500	1500
Series Fuse Maximum Rating	[A]	25	25	25

TEMPERATURE CHARACTERISTICS		
NMOT	[°C]	42±3
Pmax Temp. Coefficient (γ)	[%/°C]	-0.365
Voc Temp. Coefficient (β)	[%/°C]	-0.27
Isc Temp. Coefficient (α)	[%/°C]	0.038
Operating temperature	[°C]	-40~+85

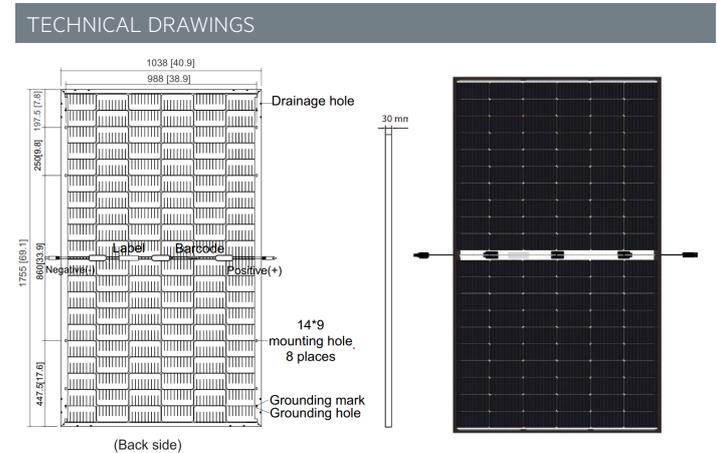
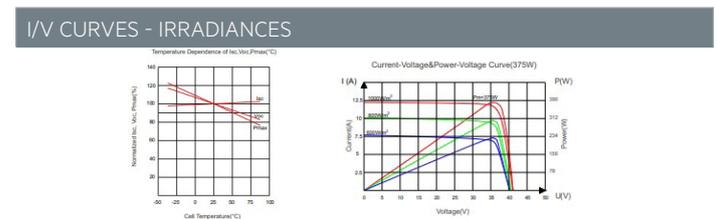
CERTIFICATIONS	
System	ISO 9001, ISO 14001, OHSAS 18001
Product	IEC/EN 61215-1:2016; IEC/EN 61215-1-1:2016; IEC 61215-2:2016; EN 61215-2:2017+AC:2017+AC:2018; IEC 61730-1:2016 / EN IEC 61730-1:2018+AC:2018; IEC 61730-2:2016 / EN IEC 61730-2:2018+AC:2018

ELECTRICAL VALUES AT NMOT ⁴					
Power rating (Front)	[W]	267.3	271.0	274.8	278.6
Maximum Power Voltage (Vmp)	[V]	30.7	30.83	30.95	31.09
Maximum Power Current (Imp)	[A]	8.71	8.79	8.88	8.96
Open Circuit Voltage (Voc)	[V]	38.78	38.92	39.06	39.22
Short Circuit Current (Isc)	[A]	8.96	9.04	9.12	9.21

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

WARRANTIES		
Product warranty	[years]	15 (opt. ext. to 30)
Performance warranty (linear) ⁵	[years]	30

MECHANICAL CHARACTERISTICS		
Solar cells	monocrystalline [pcs]	120
	Dimensions [mm]	M6 Bifacial Half-cut [166 x 83]
Front glass	high-transparency	Transparent
	Thickness [mm] / [in]	2 / 0.08
Back glass	Transparent	2 / 0.08
Encapsulant	EVA	Transparent
Frame	Anodized aluminum alloy	Silver
Junction box	Split-type	IP68
	Bypass diodes	3
UV-resistant cables	Length [mm] / [in]	1400 / 55.12
	Section [mm ²]	4
Connectors	MC4	compatible
Dimensions	H x L x W [mm]	1755 x 1038 x 35
	H x L x W [in]	69.09 x 40.87 x 1.38
Weight	[kg] / [lbs]	24 / 52.90
Maximum load	Wind / Snow [Pa]	2400 / 5400



1-Standard Test Conditions (STC). Irradiance 1000 W/m², Air Mass AM = 1.5, Cell Temperature 25°C
 2-Measurement tolerances (IEC 61215:2016). Pmax±3%, Voc±3%, Isc±4%
 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.
 4-NMOT: Nominal operating temperature of module. Irradiance 800 W/m²; Wind Speed 1m/s; Ambient Temperature 20°C, Air Mass AM=1.5. 4A - Electrical characteristics with different rear power gain.
 5-(PRE)/GG) No less than 98% of the minimum "Peak Power at STC" in the first year, ending with the 85% in the 30th year after the defined Warranty Start Date. Full text of the Warranty Terms available at: www.aeg-industrialsolar.de
 6-Dimensions in the technical picture are expressed in mm with tolerance ±2 mm (=±0.079")

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