



### 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 ISO 45001. AEG solar products are certified among others by:



**AEG: TOP BRAND PV  
IN THE NETHERLANDS IN 2022**  
[www.aeg-industrialsolar.de](http://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 <sup>4</sup>													
	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	412,5	450	487,5

CERTIFICATIONS	
System	ISO 9001, ISO 14001, ISO 45001
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

MECHANICAL CHARACTERISTICS		
Solar cells	monocrystalline [pcs]	120
	Dimensions [mm]	M6 Half-cut [166 x 83]
Front glass	high-transparency	Transparent
	Thickness [mm] / [in]	2 / 0.08
Back glass	White	2 / 0.08
Encapsulant	EVA	Transparent
Frame	Anodized aluminum alloy	Black
Junction box	Standard	IP68
	Bypass diodes	3
UV-resistant cables	Length [mm] / [in]	1400 / 55.12
	Section [mm <sup>2</sup> ]	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
Fire Rating Class	Class C	

WARRANTIES		
Product warranty	[years]	15
Performance warranty (linear) <sup>5</sup>	[years]	30

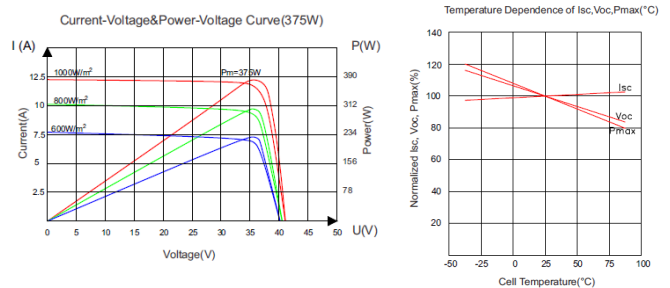
PACKAGING		
Packing configuration	[pcs/pallet]	31
Loading capacity	[pcs/40 ft container]	806

ELECTRICAL VALUES AT NMOT					
Maximum Power (Pmax)	[W]	26714	270.84	274.57	278.33
Maximum Power Voltage (Vmp)	[V]	30.88	31.02	31.15	31.29
Maximum Power Current (Imp)	[A]	8.65	8.73	8.81	8.9
Open Circuit Voltage (Voc)	[V]	39	39.14	39.28	39.42
Short Circuit Current (Isc)	[A]	8.92	9.01	9.1	9.19

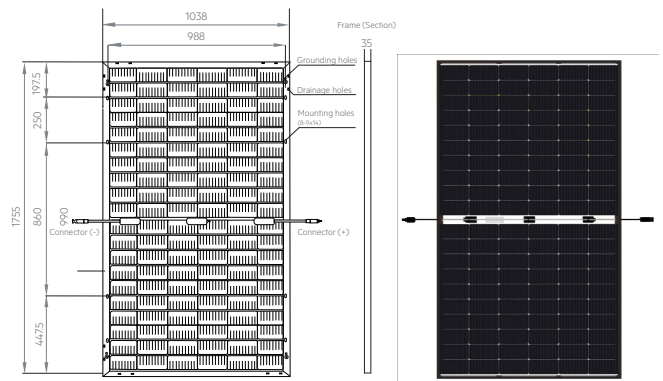
ELECTRICAL CHARACTERISTICS AT STC <sup>1,2</sup>					
Power rating (Front)		360	365	370	375
Power Sorting <sup>3</sup>	[Wp]	-0/+5	-0/+5	-0/+5	-0/+5
Maximum Power Voltage (Vmp)	[V]	33.67	33.82	33.95	34.10
Maximum Power Current (Imp)	[A]	10.70	10.80	10.91	11.01
Open Circuit Voltage (Voc)	[V]	41,42	41.57	41.72	41.89
Short Circuit Current (Isc)	[A]	11.12	11.22	11.32	11.43
Module Efficiency (ηm)	[%]	19.76	20.04	20.31	20.59
Maximum System Voltage	[V]	1500	1500	1500	1500
Series Fuse Maximum Rating	[A]	25	25	25	25

TEMPERATURE CHARACTERISTICS		
NMOT	[°C]	42±3
Pmax Temp. Coefficient (γ)	[%/°C]	-0.328
Voc Temp. Coefficient (β)	[%/°C]	-0.256
Isc Temp. Coefficient (α)	[%/°C]	0.0487
Operating temperature	[°C]	-40~+85

### I/V CURVES - IRRADIANCES



### TECHNICAL DRAWINGS



### CONTACT

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www.aeg-industrialsolar.de

1-Standard Test Conditions (STC). Irradiance 1000 W/m<sup>2</sup>, Air Mass AM = 1.5, Cell Temperature 25°C  
2-Measurement tolerances (IEC 61215:2016): Pmax±3%, Voc±4%, 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-Electrical characteristics with different rear power gain (reference to xxx W)  
5-(PRE/GO) No less than 98% of the minimum "Peak Power at STC" in the first year; power output decline no more than 0.45% per year thereafter, ending with 85.0%. 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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The Extended Warranty is a separate offer. If not offered by your distributor, the standard warranty conditions apply.  
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