

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

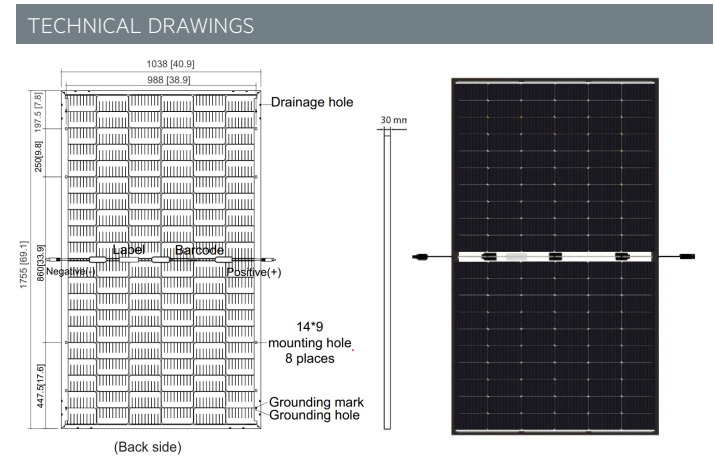
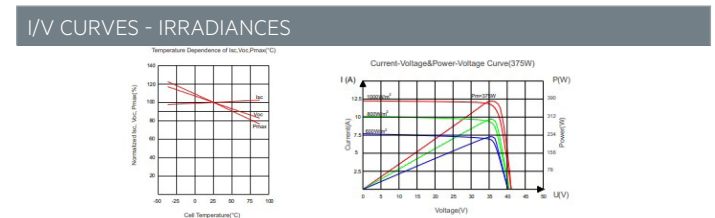
CERTIFICATIONS	
System	ISO 9001, ISO 14001, OHSAS 18001
Product	IEC/EN 61215-1:2016; IEC/EN 61215-1-1:2016; IEC 61215-2:2016; EN 61215-2:2017+AC:2017+AC:2018; IEC 61730-1:2016 / EN IEC 61730-1:2018+AC:2018; IEC 61730-2:2016 / EN IEC 61730-2:2018+AC:2018

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



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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")