AEG

PHOTOVOLTAIC MODULE AS-M1202B-G (G1 CELLS)

320- 330 Wp
120 MONOCRYSTALLINE HALF-CUT CELLS

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

A PREMIUM DESIGN THAT WITHSTANDS CHALLENGES

AEG glass-glass solar modules are made for challenges and are designed to withstand extreme weather conditions. The outstanding component choice and the black back glass ensure a premium product look.

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:

TÜVRheinland CERTIFIED

TÜV SÜD

www.aeg-industrialsolar.de

PREMIUM SERIES

PRODUCT NAMECODE (PNC)
AS-M1202B-GH(G1)-320/325/330-HV
black glass, black frame,

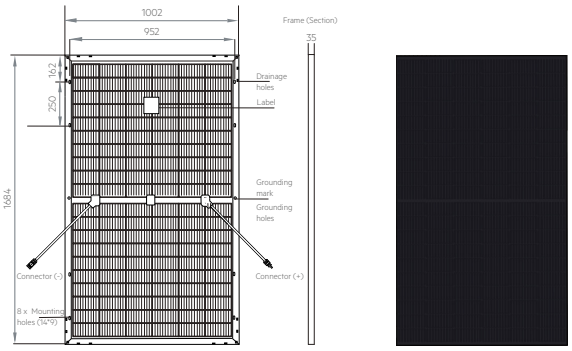
AS-M1202B-G (G1 CELLS)

PRODUCT SERIES & NAMECODE (PNC)
AEG PREMIUM SERIES
AS-M1202B-GH(G1)-320/325/330/HV
black frame, black glass

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:2017), IEC/EN 61730-1/-2:2018

ELECTRICAL CHARACTERISTICS AT STC[1,2]				
Nominal Power (Pmax)	[Wp]	320	325	330
Power Sorting[3]	[Wp]	-0/+5	-0/+5	-0/+5
Maximum Power Voltage (Vmp)	[V]	33.57	33.75	33.93
Maximum Power Current (Imp)	[A]	9.54	9.64	9.74
Open Circuit Voltage (Voc)	[V]	41.23	41.40	41.57
Short Circuit Current (Isc)	[A]	9.95	10.05	10.15
Module Efficiency (ηm)	[%]	18.96	19.26	19.56
Maximum System Voltage	[V]	1500	1500	1500
Series Fuse Maximum Rating	[A]	20	20	20

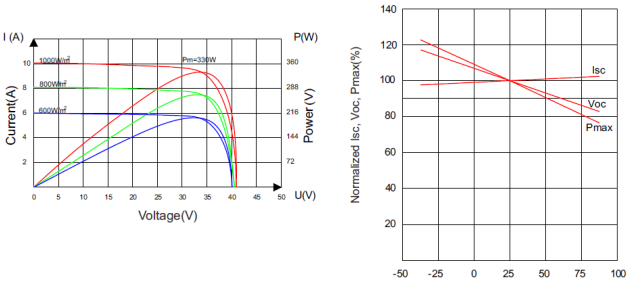
TECHNICAL DRAWINGS



MECHANICAL CHARACTERISTICS		
Solar cells	monocrystalline [pcs]	120
	Dimensions [mm]	G1 Half-cut [158.75 x 79.37]
Front glass	high-transparency	
	Thickness [mm] / [in]	2 / 0,0787
Back glass	Black	2 / 0,0787
Encapsulant	EVA	
Frame	Anodized aluminum alloy	Black
Junction box	Split-type	IP68
	Bypass diodes	3
UV-resistant cables	Length [mm] / [in]	1300 / 51.18
	Section [mm²]	4
Connectors	MC4	original
Dimensions	H x L x W [mm]	1684 x 1002 x 35
	H x L x W [in]	66,30 x 39,45 x 1,378
Weight	[kg] / [lbs]	21.9 / 48.268
Maximum load	Wind / Snow [Pa]	2400 / 5400

TEMPERATURE CHARACTERISTICS		
NMOT	[°C]	42±3
Pmax Temp. Coefficient (γ)	[%/°C]	-0.365
Voc Temp. Coefficient (β)	[%/°C]	-0.270
Isc Temp.Coefficient (α)	[%/°C]	+0.038
Operating temperature	[°C]	-40~+85

I/V CURVES - IRRADIANCES



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

CONTACT US

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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

5-(PRE/GG) No less than 97% of the minimum "Peak Power at STC"in the first year; power output decline no more than 0.5% per year thereafter. 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 ")

Version 2021.02.V1.EN