



### 320- 330 Wp 120 MONOCRYSTALLINE 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.



### 1500 V MAXIMUM SYSTEM VOLTAGE FOR IMPROVED BOS

AEG glass-glass solar modules are suitable for a maximum system voltage of 1500 V, thus improving the general BOS of your installation.



### DEVELOPED FOR HARSHEST ENVIRONMENTS

AEG glass-glass solar modules are made for challenges and are designed to withstand extreme weather conditions..

### 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](http://www.aeg-industrialsolar.de)

PREMIUM SERIES



**PRODUCT NAMECODE (PNC)**  
AS-M1202Z-GH(G1)-320/325/330/HV  
Black frame, transparent glass

## PRODUCT SERIES & NAMECODE (PNC)

AEG PREMIUM SERIES
AS-M1202Z-GH(G1)-320/325/330/HV
black frame, transparent glass

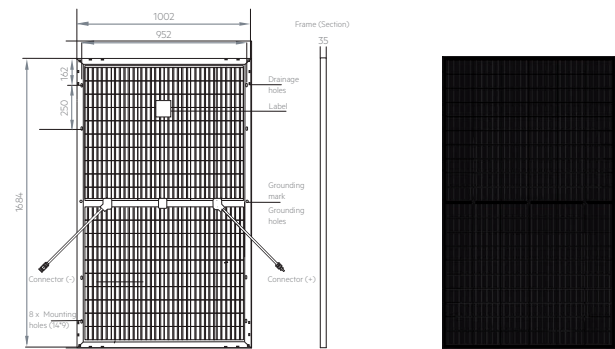
## CERTIFICATIONS

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<sup>1,2</sup>

	[Wp]	320	325	330
Nominal Power (Pmax)		320	325	330
Power Sorting <sup>3</sup>		-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



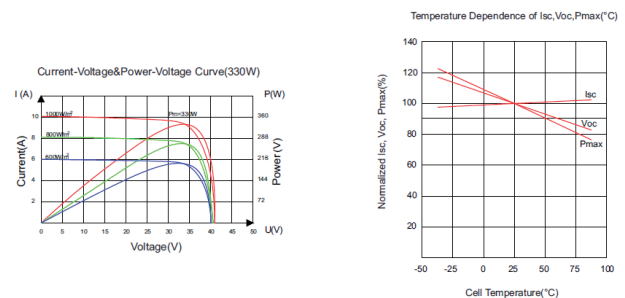
## MECHANICAL CHARACTERISTICS

Solar cells	monocrystalline [pcs]	120
	Dimensions [mm]	G1 Half-cut [158.75 x 79.37]
Front glass	high-transparency	Transparent
	Thickness [mm] / [in]	2 / 0,078
Back glass	Transparent	2 / 0,078
Encapsulant	EVA	Transparent
Frame	Anodized aluminum alloy	Black
Junction box	Split-type	IP67 / IP68
	Bypass diodes	3
UV-resistant cables	Length [mm] / [in]	1000 / 39.37
	Section [mm <sup>2</sup> ]	4
Connectors	MC4	compatible
Dimensions	H x L x W [mm]	1684 x 1002 x 35
	H x L x W [in]	66.2 x 39.44 x 1.37
Weight	[kg] / [lbs]	21.9 / 48.26
Maximum load	Wind / Snow [Pa]	2400 / 5400

## TEMPERATURE CHARACTERISTICS

NMOT <sup>4</sup>	[°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 (option. extend. to 30)
Performance warranty (linear) <sup>5</sup>	[years]	30

## CONTACT US

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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±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/m<sup>2</sup>, 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 °)

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