



# AEG HIGH EFFICIENCY SERIES



**AEG**

## AS-M1202B-H(M6) / HALF-CUT CELLS PHOTOVOLTAIC MODULE

### CHARACTERISTICS



Power range: 365-375 Wp  
Half-Cut-cell technology  
Suitable for: residential / commercial installations

### PRODUCT NAME CODE (PNC)



AS-M1202B-H(M6)-365/370/375  
(black backsheet, black frame)

### EXTRA PEACE OF MIND



Extensive certifications and rigorous Quality Control  
20 years product warranty  
25 years performance warranty

### ADVANTAGES



More converting surface, more energy outputs  
Outstanding sleek optics  
Extra long cables for greater installation flexibility

## AS-M1202B-H(M6) / HALF-CUT CELLS PHOTOVOLTAIC MODULE

### PRODUCT SERIES & NAMECODE (PNC)

AEG HIGH EFFICIENCY SERIES
AS-M1202B-H(M6)-365/370/375
black frame, black backsheet

### ELECTRICAL CHARACTERISTICS AT STC<sup>1,2</sup>

	[Wp]	365	370	375
Nominal Power (Pmax)	[W]	-0/+5	-0/+5	-0/+5
Power Sorting <sup>3</sup>	[W]	-0/+5	-0/+5	-0/+5
Maximum Power Voltage (Vmp)	[V]	34.02	34.17	34.32
Maximum Power Current (Imp)	[A]	10.73	10.83	10.93
Open Circuit Voltage (Voc)	[V]	41.81	41.96	42.11
Short Circuit Current (Isc)	[A]	11.18	11.29	11.40
Module Efficiency (ηm)	[%]	20.04	20.31	20.59
Maximum System Voltage	[V]	1000	1000	1000
Series Fuse Maximum Rating	[A]	20	20	20

### ELECTRICAL CHARACTERISTICS AT NMOT<sup>4</sup>

	[W]	270.8	274.6	278.3
Maximum Power (Pmax)	[W]	270.8	274.6	278.3
Maximum Power Voltage (Vmp)	[V]	31.02	31.15	31.29
Maximum Power Current (Imp)	[A]	8.73	8.81	8.90
Open Circuit Voltage (Voc)	[V]	39.14	39.28	39.42
Short Circuit Current (Isc)	[A]	9.01	9.10	9.19

### MECHANICAL CHARACTERISTICS

Solar cells	monocrystalline [pcs]	120
	Dimensions [mm]	M6 Half-cut [166 x 83]
Front glass	high-transparency	
	Thickness [mm] / [in]	3.2 / 0.126
Backsheet	Black	
Encapsulant	EVA	
Frame	Anodized aluminum alloy	Black
Junction box	Split-type, IP68	
	Bypass diodes	3
UV-resistant cables	Length [mm] / [in]	1400 / 55.12
	Section [mm <sup>2</sup> ]	4
Connectors	MC4	
Dimensions	H x L x W [mm]	1755 x 1038 x 35
	H x L x W [in]	69.09 x 40.86 x 1.37
Weight	[kg] / [lbs]	21.0 / 46.3
Maximum load	Wind / Snow [Pa]	2400 / 5400
Fire Class	Class C	

### PACKAGING

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

### NOTES

- Standard Test Conditions (STC): Irradiance 1000 W/m<sup>2</sup>, Air Mass AM = 1.5, Cell Temperature 25°C
  - Measurement tolerances (IEC 61215:2016): Pmax±3%, Voc±3%, Isc±4%
  - Electrolux 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
  - 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
  - EXTENDED / Full text of the Warranty Terms available at: [www.solarsolutions-ws.com](http://www.solarsolutions-ws.com). The Extended Warranty is a separate offer. If not offered by your distributor, the standard warranty conditions apply.
  - (HE/GB) No less than 98% of the minimum "Peak Power at STC" in the first year; power output decline no more than 0.55% per year thereafter, ending with 84.8%.
- Dimensions in the technical picture are expressed in mm with tolerance ±2 mm (+0.079 ") / Version 2022.11.V1 EN © Solar Solutions Group. Specifications in this datasheet are subject to change without notice.
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### CERTIFICATIONS

System	ISO 9001, ISO 14001, ISO 45001
Product	IEC 61215-1:2016, IEC 61215-1:2016, IEC 61215-2:2016, IEC 61730-1:2016, EN 61215-1:2016, EN 61215-1:2016, EN 61215-2:2017, EN IEC 61730-1:2018, EN IEC 61730-1:2018/AC:2018-06

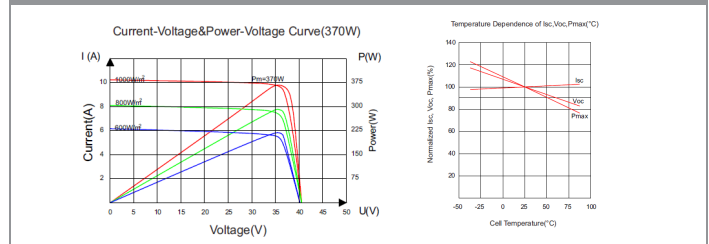
### WARRANTIES

Product warranty <sup>5</sup>	[years]	20
Performance warranty (linear) <sup>6</sup>	[years]	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

### I/V CURVES - IRRADIANCES



### TECHNICAL DRAWINGS

