

PHOTOVOLTAIC MODULE AS-M1202B (M6 CELLS)



365- 375 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.



OPTIMIZED DESIGN MAXIMUM EFFICIENCY

AEG solar modules with half-cut cells (M6) and 9 busbar technology are designed to maximize efficiency and plant performance. The extra-long cables allow more installation flexibility and comfort.



CAREFUL SELECTION, PREMIUM LOOK

The careful selection of components (cells, backsheet and frames) ensures a premium product look and provides extra aesthetical value.

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

HIGH EFFICIENCY SERIES



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

EG

AS-M1202B (M6 CELLS)

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

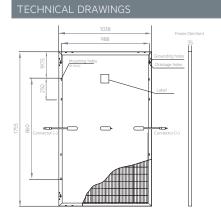
CERTIFICATIC	CERTIFICATIONS		
System	ISO 9001, ISO 14001, OHSAS 18001		
Product	IEC 61215-1/-2:2016, IEC 61215-1-1:2016		
	IEC 61730-1:2016, IEC 61730-2:2016		

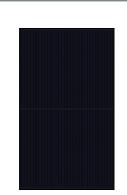
ELECTRICAL CHARACTERISTICS AT STC1,2				
Nominal Power (Pmax)	[Wp]	365	370	375
Power Sorting ³	[Wp]	-0/+5	-0/+5	-0/+5
Maximum Power Voltage (Vmp)	[V]	34.02	34.17	34.32
Maximum Power Current (Imp)	[A]	10.73	10.83	10.93
Open Circuit Voltage (Voc)	[V]	41.81	41.96	42.11
Short Circuit Current (Isc)	[A]	11.18	11.29	11.40
Module Efficiency (ŋ m)	[%]	20.04	20.31	20.59
Maximum System Voltage	[V]	1000	1000	1000
Series Fuse Maximum Rating	[A]	20	20	20

ELECTRICAL CHARACTERISTICS AT NMOT⁴				
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

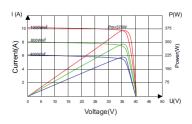
MECHANICAL CHARACTERISTICS			
Solar cells	monocrystalline [pcs]	120	
	Dimensions [mm]	M6 Half-cut [166 x 83]	
Front glass	high-transparency	Transparent	
	Thickness [mm] / [in]	3.2 / 0.126	
Backsheet	Black		
Encapsulant	EVA	Transparent	
Frame	Anodized aluminum alloy	Black	
Junction box	Split-type		
	Bypass diodes	3	
UV-resistant	Length [mm] / [in]	1400 / 55.12	
cables	Section [mm2]	4	
Connectors	MC4	compatible	
Dimensions	HxLxW [mm]	1755 x 1038 x 35	
	HxLxW [in]	69.09 x 40.86 x 1.37	
Weight	[kg] / [lbs]	21.0/ 46.3	
Maximum load	Wind / Snow [Pa]	2400 / 5400	

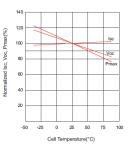
CERTIFICATIONS	TIFICATIONS		
System	ISO 9001, ISO 14001, OHSAS 18001		
Product	IEC 61215-1/-2:2016, IEC 61215-1-1:2016		
	IEC 61730-1:2016, IEC 61730-2:2016		





TEMPERATURE CHARACTERISTICS				
NMOT	[°C]	42±3		
Pmax Temp. Coefficient (γ)	[%/°C]	-0.365		
Voc Temp. Coefficient (β)	[%/°C]	-0.27		
lsc Temp.Coefficient (a)	[%/°C]	+0.038		
Operating temperature	[°C]	-40~+85		





WARRANTIES		
Product warranty	[years]	15 (opt. extend. to 20)
Performance warranty (linear) ⁵	[years]	25

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

1-Standard Test Conditions (STC). Irradiance 1000 W/m², Air Mass AM = 15, 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 P delivered modules exceeds their assigned Nameplate Nominal Power

+49 (0)69 400500810 | info@aeg-industrialsolar.de www.aeg-industrialsolar.de