



Inspiring green-energy since 2003



AE HALF LARGE CELL MONOCRYSTALLINE PV MODULES

AE MC -1 20 Series 360W-380W

tested by  **Fraunhofer**
CSP

120 CELLS	 MICRO-CRACK FREE	 PID RESISTANT	 SALT CORROSION RESISTANT	 SAND RESISTANT	$\frac{NH_3}{S}$ AMMONIA RESISTANT	 HIGHLY STABLE AND TOUGH
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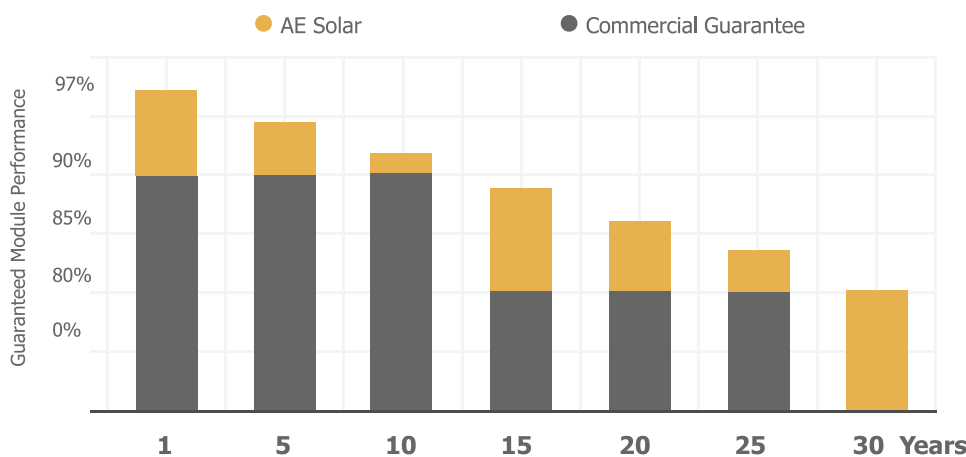
✓ GERMAN QUALITY
AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

+ PLUS-SORTING
Higher yield due to plus-sorting from 0 up to +5 Wp guarantees the high system efficiency and yield stability.

🕒 PERFORMANCE GUARANTEE
AE Solar assures high investment, security and warranty claims by providing linear performance guarantee of 30 years and 12 years of product warranty.

📄 CERTIFICATES
Lining with international standards, AE Solar Photovoltaic modules are tested and certified under extreme stress conditions and it can bear harsh environment influences.


OUR PERFORMANCE GUARANTEE



30
years
Performance Guarantee

12
years
Product Warranty



 Deutsche Qualität Garantiert

TECHNICAL DATA

AE MC-120 Series 360W-380W

SPECIFICATIONS

		AE360MC-120	AE365MC-120	AE370MC-120	AE375MC-120	AE380MC-120
Nominal Max. Power	P _{max} (Wp)	360	365	370	375	380
Maximum power voltage	V _{mp} (V)	34.0	34.2	34.4	34.6	34.8
Maximum power current	I _{mp} (A)	10.59	10.67	10.76	10.84	10.92
Open-circuit voltage	V _{oc} (V)	40.9	41.1	41.3	41.5	41.7
Short-circuit current	I _{sc} (A)	11.40	11.50	11.60	11.70	11.80
Module efficiency	(%)	19.76	20.04	20.31	20.59	20.86
Operating temperature	(°C)	-40 to +85				
Maximum system voltage DC	V (IEC)	1500				
Maximum series fuse rating	(A)	20				
Power tolerance	(%)	0 ~ + 5				
Temp. coefficients of P _{max}	(%/°C)	-0.370				
Temp. coefficients of V _{oc}	(%/°C)	-0.286				
Temp. coefficients of I _{sc}	(%/°C)	0.057				
Nom. Operating cell temp.(NOCT)	(°C)	45±2				

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m² with spectrum AM 1.5 and a cell temperature of 25°C.

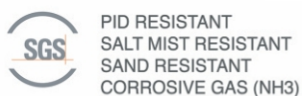
MATERIAL CHARACTERISTICS

Cell type	Mono-crystalline 166 x 83 mm
No. of cells	120 (60 full cells)
Dimensions	1755 x 1038 x 35 MM
Weight	19.5 KG
Junction box	IP 68 rated (3 bypass diodes)
Output cable	1 x 4.0mm ² 350 mm length or customised
Connector type	MC 4 / MC 4 compatible
Hail resistance	Max. Ø 25 mm, at 23 m/s
Wind load	2400 Pa / 244 kg/m ²
Mechanical load	5400 Pa / 550 kg/m ²

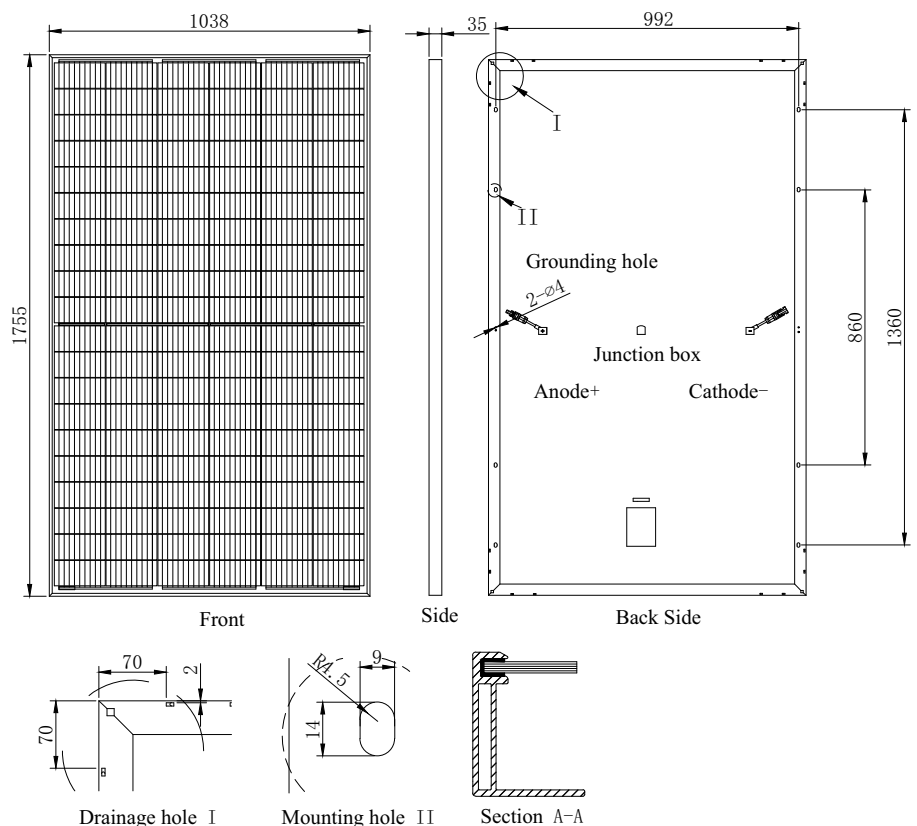
PACKAGING INFORMATION

Packing configuration	64 pcs / double pallet
Loading Capacity	832 pcs / 40HQ
Size / pallet (mm)	1790 x1140 x2415
Weight	1354 kg / double pallet

CERTIFICATES



DIMENSIONS



AES-DSH2019 V.002

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