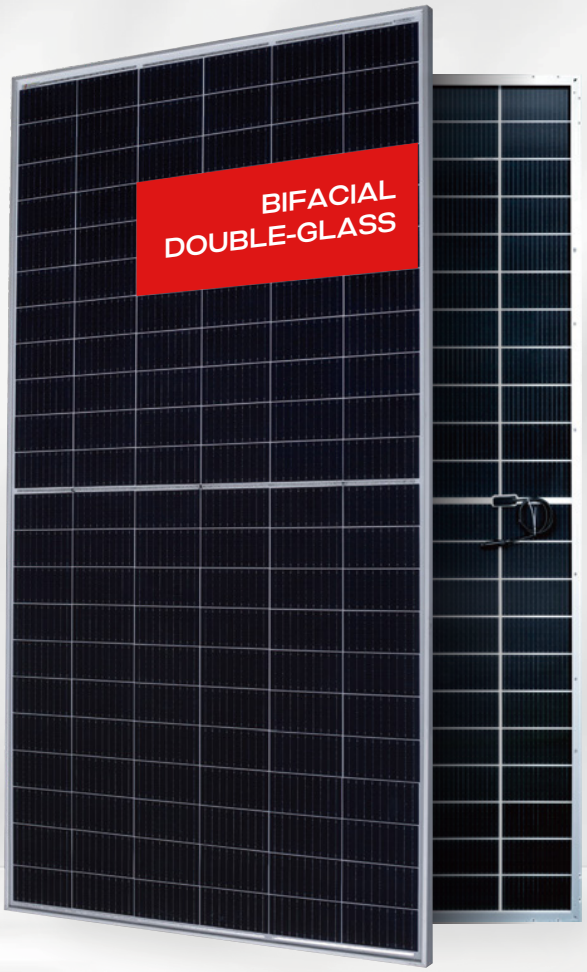
TIER 1 BloombergNEF

Deutsche
Qualität
Garantiert

METEOR
N-TYPE TOPCON TECHNOLOGY

CME-132BDS
680W-700W
More power, less degradation



22.57%
MAXIMUM EFFICIENCY

132
HALF CELLS

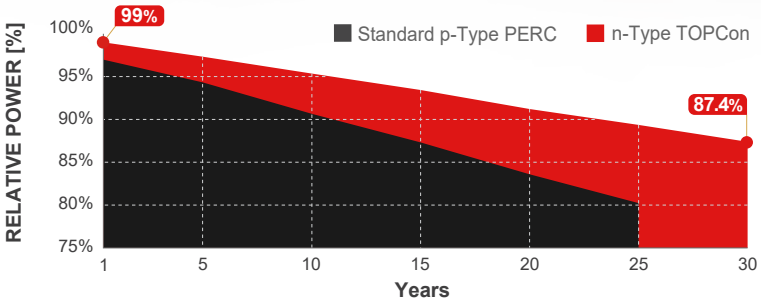
30 YEARS
Performance Warranty

up to 30 YEARS*
Product Warranty

*The regular product warranty is 15 years, please refer to the latest version of AESOLAR Limited Warranty for the duration of the product warranty under special conditions. for extensions, please contact AESOLAR staff.

LID RESISTANT | PID RESISTANT | SALT CORROSION RESISTANT | SAND RESISTANT | AMMONIA RESISTANT | HIGHLY STABLE AND TOUGH

OUR PERFORMANCE WARRANTY



SYSTEM AND PRODUCT CERTIFICATIONS

IEC 61215 IEC 61730
Regular Production Surveillance
www.tuv.com
ID 1111257249

IEC 62716 (Ammonia corrosion)
IEC 61701 (Salt mist corrosion)
IEC 60068 (Sand and dust)
IEC 62804 (PID resistance)

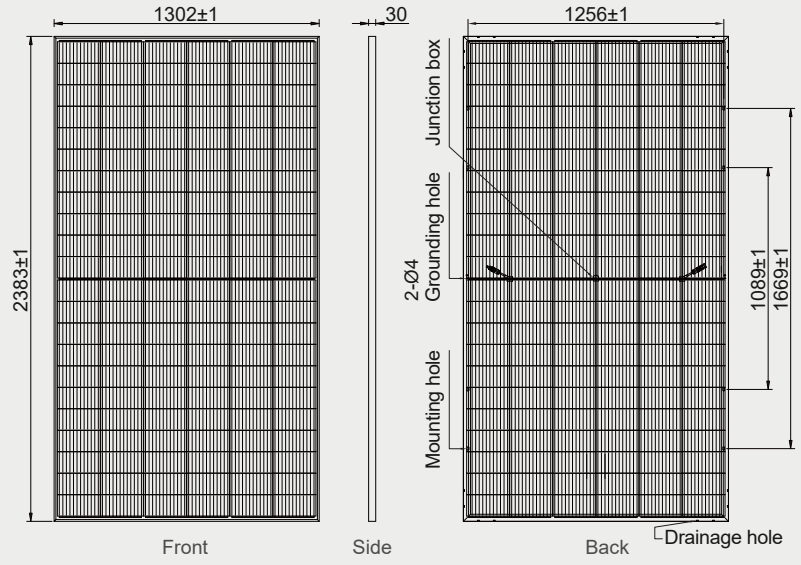
AESOLAR

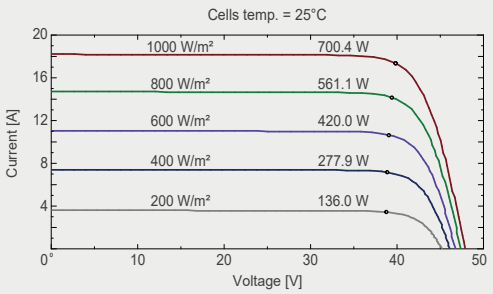
www.ae-solar.com

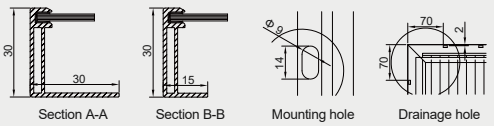
AE CME-132BDS 680W-700W

N-TYPE TOPCON TECHNOLOGY PV MODULE

BIFACIAL • DOUBLE-GLASS







Electrical specifications (STC*):

Nominal max. power	P_{max} (Wp)	680	685	690	695	700
Maximum operating voltage	V_{MPP} (V)	39.65	39.85	40.10	40.30	40.52
Maximum operating current	I_{MPP} (A)	17.16	17.19	17.23	17.25	17.28
Open-circuit voltage	V_{oc} (V)	47.40	47.70	47.90	48.10	48.30
Short-circuit current	I_{sc} (A)	18.18	18.21	18.25	18.28	18.31
Module efficiency	η (%)	21.92	22.08	22.24	22.41	22.57
Power tolerance	(W)			0~+5		
Maximum system voltage	(V)			1500		
Maximum series fuse rating	(A)			30		

*STC: Standard Test Conditions (irradiance 1000 W/m², cell temperature 25°C and air mass of AM1.5), measurement tolerance Pmax: ±3%

Electrical specifications (NMOT*):

Nominal max. power	P_{max} (Wp)	517	521	525	529	533
Maximum operating voltage	V_{MPP} (V)	37.20	37.30	37.60	37.85	38.10
Maximum operating current	I_{MPP} (A)	13.91	13.94	13.97	13.98	14.00
Open-circuit voltage	V_{oc} (V)	44.90	45.20	45.40	45.60	45.80
Short-circuit current	I_{sc} (A)	14.65	14.67	14.71	14.75	14.79

*NMOT: Normal Module Operating Temperature (irradiance 800 W/m², ambient temperature 20°C, air mass of AM1.5 and wind speed of 1 m/s)

Bifacial electrical specifications

Max.power front-side $P_{max\ front}$ (Wp)	680		685		690		695		700	
Backside Power Gain	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%
Total equivalent power $P_{max\ equ}$ (Wp)	714	748	719	754	725	760	730	765	735	770
Module efficiency η (%)	23.03	24.12	23.18	24.29	23.38	24.50	23.53	24.65	23.70	24.82

*Bifacial Gain: The additional gain from the back side compared to the power of the front side at the standard test condition. It depends on the mounting (structure, height, tilt angle, etc.) and albedo of the ground.

Mechanical and design specification

Cell type	n-Type TOPCon technology, half-cut cells
No. of cells	132
Bifaciality	80 ± 5%
Front cover	2.0 mm glass, high transmission, AR coated, tempered
Encapsulation	POE
Back cover	2.0 mm white glazed glass, tempered
Junction box	IP68 rated, 3 bypass diodes
Frame	30 mm anodized aluminium alloy
Cable	1 x 4 mm², 350 mm length or customized
Connectors	MC 4 / MC 4 compatible
Dimension	2383 mm x 1302 mm x 30 mm
Weight	37 kg
Hail resistance	Max. Ø 25 mm at 23 m/s
Wind load	2400 Pa or 244 kg/m²
Snow load	5400 Pa or 550 kg/m²
Fire rating	Class A (according to UL 790)

Temperature ratings

Operating temperature	-40 to +85°C
Temp. coefficient of P_{max}	-0.29 %/°C
Temp. coefficient of V_{oc}	-0.24 %/°C
Temp. coefficient of I_{sc}	0.040 %/°C
Nom. operating cell temp. NOCT	43 ± 2°C

Packaging information

Packaging configuration	36 pcs / pallet
Loading capacity	648 pcs / 40 HQ
Size / Pallet	1350 mm x 1140 mm x 2500 mm (Upright)
Weight	1364 kg / pallet

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