

# AE BI-MAX POWER

AE M6-60 BI-Series 265W-270W

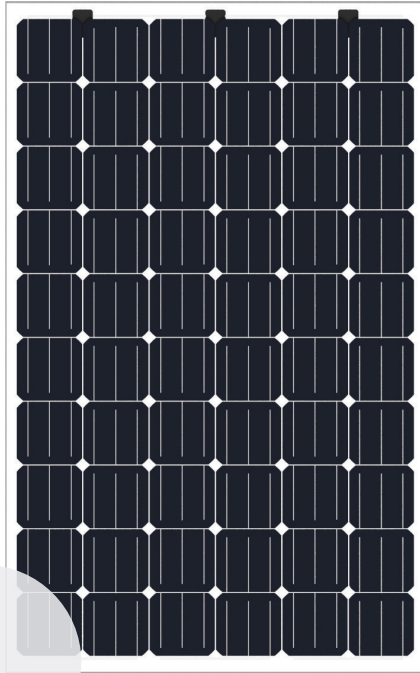


ILLUSTRATION ONLY

GERMAN QUALITY

265W  
270W

**POWER RANGE**  
Plus-Sorting 0 to + 4,99Wp

PID  
FREE

**PID RESISTANT**  
Potential induced degradation free



**SALT MIST CORROSION RESISTANT**  
Certified for salt rich environment



**SAND RESISTANT**  
Certified for sand rich environment



**AMMONIA RESISTANT**  
Certified for ammonia rich environment



**HIGH STRENGTHENED DESIGN**  
Maximum mechanical load 5400 Pa



**IP67 JUNCTION BOX**  
Advanced water and dust proof level



## BIFACIAL MODULE

In comparison to standard modules, AE BI-MAX modules generate energy from both sides. As the backside makes use of the reflected light from the surroundings, the modules can yield up to 30% power more, depending on the albedo.



## SELF CLEANING

Optimal self-cleaning due to frameless module design.



## LINEAR PERFORMANCE GUARANTEE

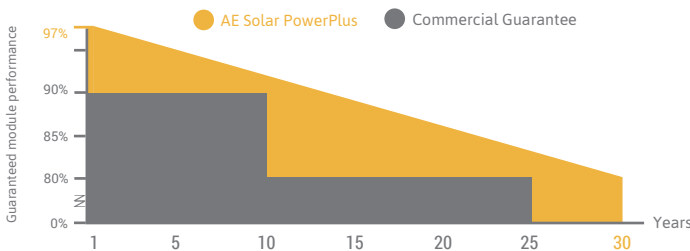
With the linear performance guarantee of 30 years and a product warranty of 20 years, AE Solar guarantees highest investment security and warranty claims.



## CERTIFICATES

AE Solar photovoltaic modules are not only in line with international standards, but also tested and certified under extreme stress and any environmental influences.

## OUR PERFORMANCE GUARANTEE



IEC 61215  
IEC 61730  
PERIODICAL  
INCEPTION



IEC 61215  
IEC 61730  
PERIODICAL  
INCEPTION



PID RESISTANT  
SALT MIST RESISTANT  
SAND RESISTANT  
CORROSIVE GAS (NH<sub>3</sub>)

CEC



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### ELECTRICAL DATA

Electrical Parameters at Standard Test Conditions (STC)				10% (e.g., desert, water)		20% (e.g., light concrete, grass)		30% (e.g., snow, white gravel)	
		B265	B270	B265	B270	B265	B270	B265	B270
Front side power									
Nominal power	Pm (Wp)	265	270	292	297	318	324	345	351
Open circuit voltage	Voc (V)	38.30	38.50	38.40	38.60	38.40	38.60	38.50	38.70
Short-circuit current	Isc (A)	9.23	9.30	10.15	10.23	11.08	11.16	12.00	12.09
Voltage at max power	Vmp (V)	30.10	30.50	30.10	30.50	30.10	30.50	30.10	30.50
Current at max power	Imp (A)	8.79	8.85	9.67	9.74	10.55	10.62	11.43	11.51
Module efficiency	(%)	16.10	16.40	17.70	18.00	19.30	19.60	20.90	21.30

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m<sup>2</sup> with spectrum AM 1.5 and a cell temperature of 25°C.

Electrical Parameters at Nominal Operating Cell Temperature (NOCT)				10% (e.g., desert, water)		20% (e.g., light concrete, grass)		30% (e.g., snow, white gravel)	
		B265	B270	B265	B270	B265	B270	B265	B270
Front side power									
Nominal power	Pm (Wp)	255	260	255	260	255	260	255	260
Open circuit voltage	Voc (V)	38.10	38.22	38.10	38.22	38.10	38.22	38.10	38.22
Short-circuit current	Isc (A)	8.86	8.91	8.86	8.91	8.86	8.91	8.86	8.91
Voltage at max power	Vmp (V)	31.86	32.10	31.86	32.10	31.86	32.10	31.86	32.10
Current at max power	Imp (A)	8.00	8.10	8.00	8.10	8.00	8.10	8.00	8.10
Module efficiency	(%)	15.67	15.98	15.67	15.98	15.67	15.98	15.67	15.98

The electrical data apply to Nominal Operating Temperature: Irradiance of 800 W/m<sup>2</sup> with spectrum AM 1.5 and a cell temperature of 20°C.

### TERMAL CHARACTERISTICS

Max. System Voltage	(V)	1500
Temp. coefficient Voc	(% / °C)	-0.42
Temp. coefficient Isc	(% / °C)	0.04
Temp. coefficient Pm	(% / °C)	-0.42
Operating temp.	(°C)	-40 bis +85

### TECHNICAL DATA

Glass (material / thickness)	low-iron tempered glass / 2,5mm x 2
Cell (quantity / material / dimensions)	60 / monocrystalline silicon / 156mm x 156mm
Frame (material / color)	N / A
Junction box (protection degree)	IP67
Cable (length / crosssectional area)	900 / 4qmm
Dimensions (L / W / H)	1658mm / 992mm / 6mm
Weight (kg)	23kg
Plug connector (type / protection)	05-8 / IP67
Hail resistance	Max. Ø 25 mm / 23 m/s
Wind load	2400Pa
Mechanical load	5400Pa

Unit: mm

