

# AE POWERPLUS MODULE

AE P6-72 Series 300W-325W



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



**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



## GERMAN QUALITY

AE Solar photovoltaic modules are characterized by high-quality materials, best workmanship, German development and management.



## LINEAR PERFORMANCE GUARANTEE

With the linear performance guarantee of 30 years and a product warranty of 12 years, AE Solar guarantees highest investment security and warranty claims.



## PLUS-SORTING

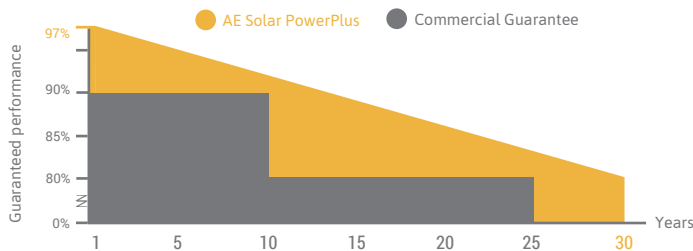
Higher yield due to plus-sorting of 0 to +4.99 Wp guarantees the highest system efficiency and yield stability.



## 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>)



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### ELECTRICAL DATA

AE300P6-72    AE305P6-72    AE310P6-72    AE315P6-72    AE320P6-72    AE325P6-72

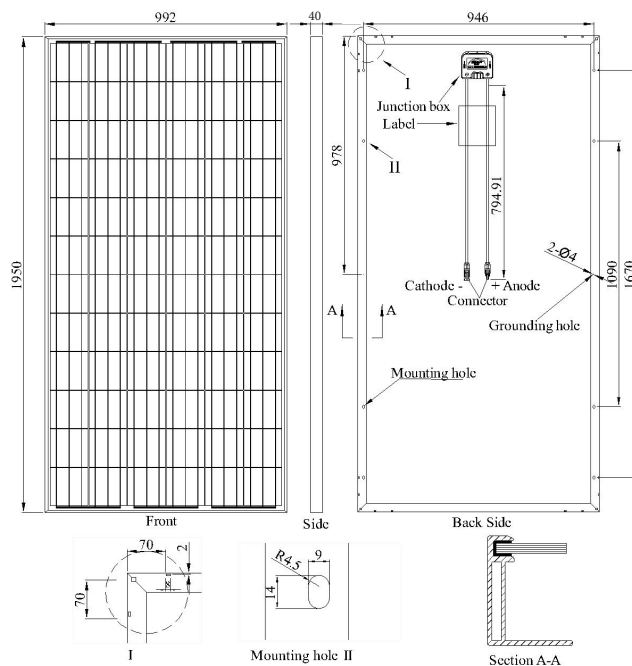
Parameter	Unit	AE300P6-72	AE305P6-72	AE310P6-72	AE315P6-72	AE320P6-72	AE325P6-72
Nominal power	Pm (Wp)	300	305	310	315	320	325
Open circuit voltage	Voc (V)	45.43	45.58	45.72	45.94	46.30	46.66
Short-circuit current	Isc (A)	8.68	8.71	8.74	8.84	8.89	8.99
Voltage at max power	Vmp (V)	37.94	38.16	38.38	38.81	39.02	39.31
Current at max power	Imp (A)	7.91	7.99	8.08	8.12	8.20	8.27
Module efficiency	(%)	15.51	15.77	16.03	16.28	16.54	16.80
Cells efficiency	(%)	17.29	17.58	17.87	18.16	18.45	18.74
System Voltage	(V)	1000					
Temp. coefficient Voc	(%; °C)	-0.36					
Temp. coefficient Isc	(%; °C)	0.06					
Temp. coefficient Pm	(%; °C)	-0.36					
Operating temp.	(°C)	-40 to +85					
NOCT	(°C)	45±2					

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.

### TECHNICAL DATA

Junction box	3 bypass diodes, IP67
Wire cross section (Ø, mm <sup>2</sup> )	4.0
Cable length (mm)	Standard 900 or optional 1100
Connector type	MC4/MC4 compatible
Dimensions (L x W x H, mm)	1950 x 992 x 40
Weight (kg)	23
Cell dimensions (mm)	156 x 156
No of cells / assembly	72 / 6 x 12
Type of cells	poly-crystalline
Hail resistance	Max. Ø 28 mm at 23 m/s
Wind load	2400Pa / 244kg / m <sup>2</sup>
Mechanical load	5400Pa / 550kg / m <sup>2</sup>

### SCALE



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