



Inspiring green-energy since 2003

## AE POWERPLUS POLYCRYSTALLINE PV MODULES AE P6-60 Series 250W-275W

tested by **Fraunhofer**  
CSP

<b>60</b> 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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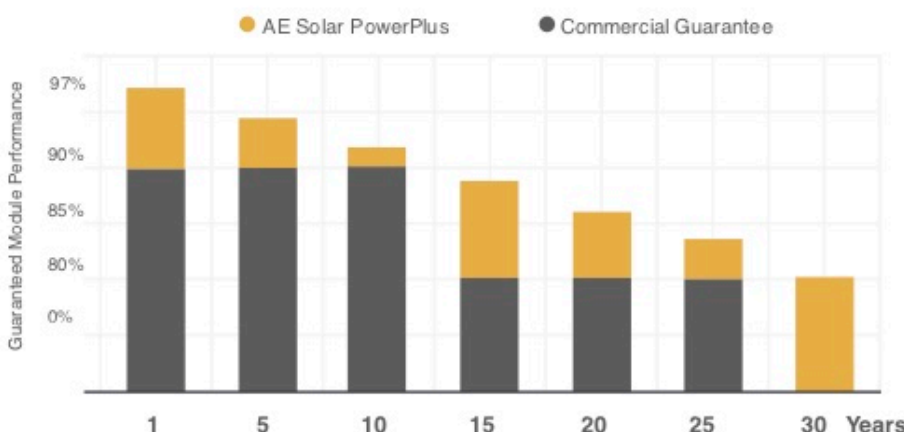
**GERMAN QUALITY**  
AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

**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 P6-60 Series 250W-275W

### SPECIFICATIONS

AE250P6-60   AE255P6-60   AE260P6-60   AE265P6-60   AE270P6-60   AE275P6-60

Parameter	Unit	AE250P6-60	AE255P6-60	AE260P6-60	AE265P6-60	AE270P6-60	AE275P6-60
Nominal Max. Power	P <sub>max</sub> (Wp)	250	255	260	265	270	275
Maximum power voltage	V <sub>mp</sub> (V)	29.16	29.58	29.99	30.41	30.82	31.24
Maximum power current	I <sub>mp</sub> (A)	8.57	5.62	8.67	8.71	8.76	8.80
Open-circuit voltage	V <sub>oc</sub> (V)	37.48	37.68	37.89	38.10	38.31	38.52
Short-circuit current	I <sub>sc</sub> (A)	9.11	9.15	9.22	9.26	9.31	9.35
Module efficiency	(%)	15.27	15.58	15.88	16.19	16.50	16.80
Power tolerance	P <sub>max</sub> (Wp)	0 / + 5					
Maximum system voltage DC	(V)	1000					
Operating temperature	(°C)	-40 to +85					
Temp. coefficients of P <sub>max</sub>	(%/°C)	-0.40					
Temp. coefficients of V <sub>oc</sub>	(%/°C)	-0.31					
Temp. coefficients of I <sub>sc</sub>	(%/°C)	0.053					
Nom. Operating cell temp.(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.

### MATERIAL CHARACTERISTICS

Cell type	Poly-crystalline 156 x 156mm
No. of cells	60 (6 x 10)
Dimensions	1650 x 992 x 35mm
Weight	18.5 kg
Junction box	IP 67 rated
Output cable	1 x 4.0mm <sup>2</sup> , 900mm length or customised
Connector type	MC 4 / MC 4 compatible
Hail resistance	Max. Ø 28 mm, at 23 m/s
Wind load	2400 Pa / 244 kg/m <sup>2</sup>
Mechanical load	5400 Pa / 550 kg/m <sup>2</sup>

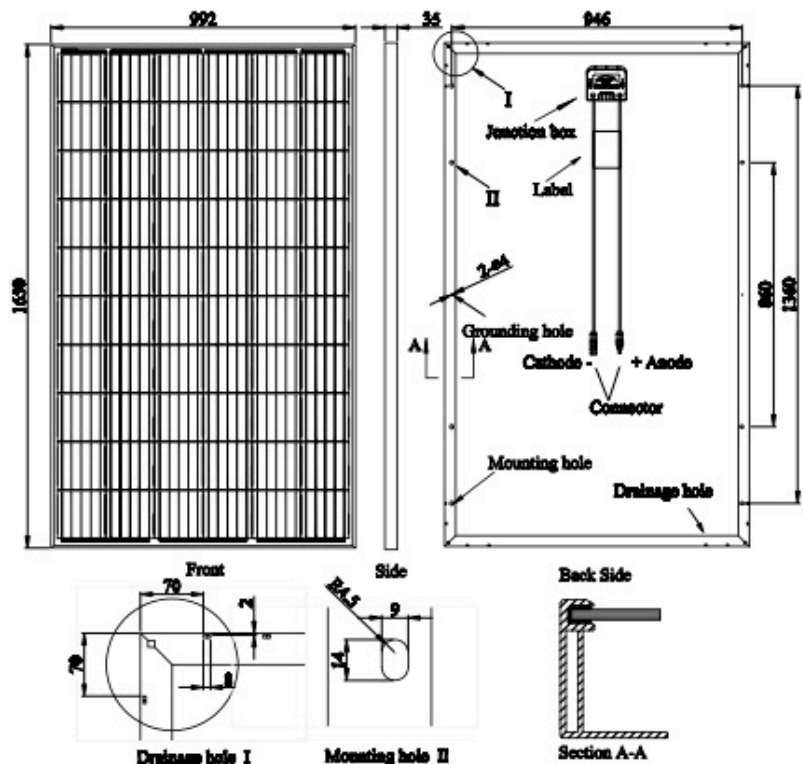
### PACKAGING INFORMATION

Packing configuration	64 pcs / double pallet
Loading Capacity	896 pcs / 40HQ
Size / pallet (mm)	1690 x 1135 x 2335
Weight	1260 kg / pallet

### CERTIFICATES



### DIMENSIONS



AE S-DSH2018 V.001  
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