

# AE POWERPLUS MODULE

AE P5-36 Series 80W-100W



ILLUSTRATION ONLY



We produce with green energy!



## POWER RANGE

Plus-Sorting 0 to + 4,99Wp



## PID RESISTANT

Potential Induced Degradation Free



## SALT CORROSION RESISTANT

Certified for Salt Rich Environment



## SAND RESISTANT

Certified for Sand Rich Environment



## AMMONIA RESISTANT

Certified for Ammonia Rich Atmosphere



## HIGHLY STABLE AND TOUGH

Maximum Mechanical Load 5400 Pa



## GERMAN QUALITY

AE Solar photovoltaic modules are manufactured using high-quality materials, automated machine, German Technology and Standards



## PLUS-SORTING

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



## PERFORMANCE GUARANTEE

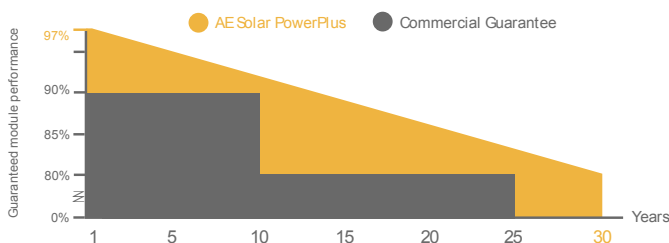
AE Solar assures high investment, security and warranty claims by providing linear performance guarantee of 30 years and 12 years of product warranty



## CERTIFICATES

Lining with International Standards, AE Solar Photovoltaic modules are tested and certified under extreme stress and it can bear harsh environmental influences

## OUR PERFORMANCE GUARANTEE



IEC 61215  
IEC 61730  
PERIODICAL  
INCEPTION



IEC 61215  
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PID RESISTANT  
SALT MIST RESISTANT  
SAND RESISTANT  
CORROSIVE GAS (NH<sub>3</sub>)



# TECHNICAL DATA

## AE P5-36 Series 80W-100W

ELECTRICAL DATA		AE80P5-36	AE85P5-36	AE90P5-36	AE95P5-36	AE100P5-36
Nominal power	Pm (Wp)	80	85	90	95	100
Open circuit voltage	Voc (V)	20.82	21.38	21.83	22.02	22.43
Short-circuit current	Isc (A)	5.16	5.27	5.44	5.68	5.86
Voltage at max power	Vmp (V)	17.49	17.65	17.96	18.18	18.58
Current at max power	Imp (A)	4.81	5.02	5.19	5.43	5.69
Filling Factor	(%)	74.47	75.44	75.79	75.96	76.08
Module Efficiency	(%)	12.12	12.88	13.64	14.39	15.15
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	2 bypass diodes, IP 67
Wire cross section ( $\varnothing$ , mm <sup>2</sup> )	4.0
Cable length (mm)	900
Connector type	MC 4 / MC 4 compatible
Dimensions (L x W x H, mm)	1200 x 550 x 35
Weight (kg)	5.78
Specification (mm)	Poly 156 / 4 x 9
Hail resistance	Max. $\varnothing$ 25 mm, at 23 m/s
Wind load	2400Pa / 244kg / m <sup>2</sup>
Mechanical load	5400Pa / 550kg / m <sup>2</sup>

### PACKAGING INFORMATION

Packing configuration	96pcs / pallet
Loading Capacity	1728pcs / 40HQ
Size / pallet (mm)	1250 x 1135 x 2325
Weight	665kg / pallet

### SCALE

