

# MonoPower Micro

ASP M5-60 Series 150W-170W

Monocrystalline PV-module



## QUALITY & RELIABILITY

Best raw materials, optimized production process and accurate testing makes the quality difference



## GERMAN ENGINEERING

Best design by the art of German engineering



## SAVE INVESTMENT

Product warranty of 12 years and performance warranty of 25 years



## POSITIVE PERFORMANCE TOLERANCE

Up to +5 W plus-tolerance on output



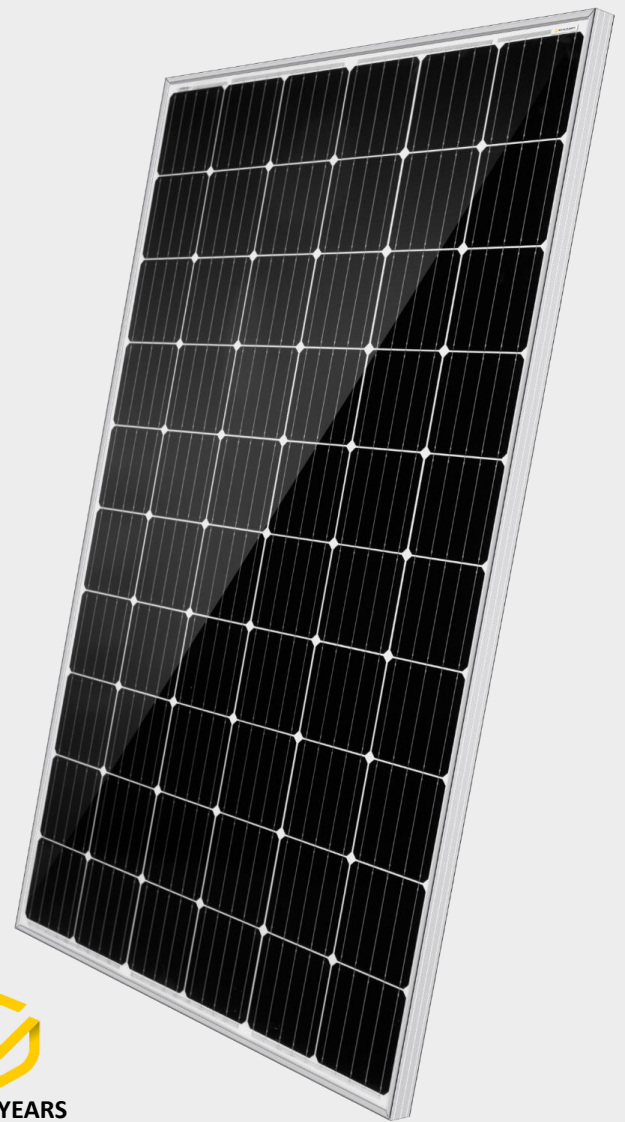
## FOR ALL ENVIRONMENTAL CONDITIONS

Resistant against PID, sand, salt and ammonia



## STABLE AND STRONG

Capable to bear heavy snow loads up to 5400 Pa and wind loads up to 2400 Pa

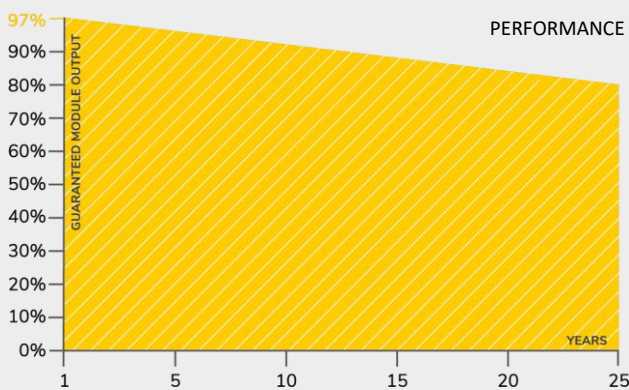


**12 YEARS**  
PRODUCT WARRANTY

## OUR PERFORMANCE GUARANTEE



**25 YEARS**  
PERFORMANCE GUARANTEE



## CERTIFICATES

SGS  
**TÜV**  
SAAR

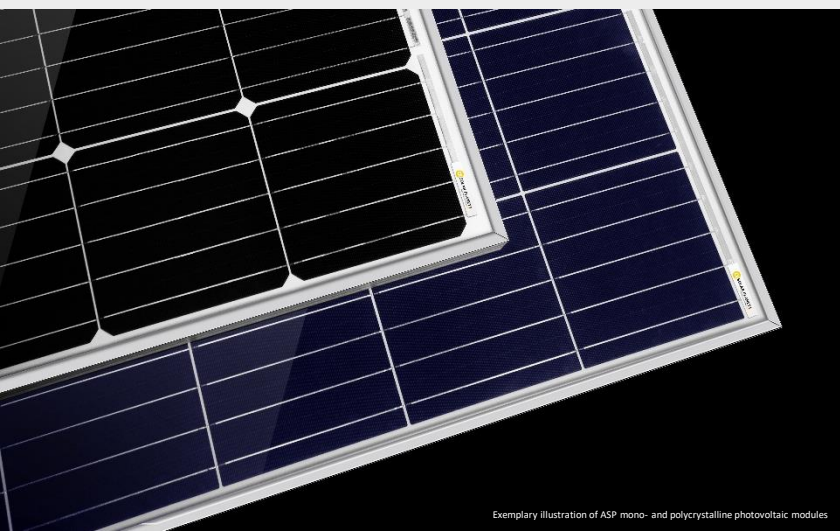
IEC 61215  
IEC 61730  
PERIODICAL  
INCEPTION

**SGS**

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

**CE**

**CEC**



**α SOLAR PLANET**  
Enjoy the quality difference

# MonoPower Micro Module

ASP M5-60 Series 150W-170W

## TECHNICAL DATA

		ASP150M5-60	ASP155M5-60	ASP160M5-60	ASP165M5-60	ASP170M5-60
Maximum power	P <sub>max</sub> (Wp)	150	155	160	165	170
Maximum power voltage	V <sub>mp</sub> (V)	31.23	31.39	31.56	31.72	31.88
Maximum power current	I <sub>mp</sub> (A)	4.80	4.94	5.07	5.20	5.33
Open-circuit voltage	V <sub>oc</sub> (V)	37.41	37.57	37.74	37.90	38.06
Short-circuit current	I <sub>sc</sub> (A)	5.19	5.29	5.39	5.49	5.59
Module efficiency	%	13.96	14.42	14.89	15.35	15.82
Power tolerance	P <sub>max</sub> (W)	0 / +5				
Maximum system voltage DC	V	1000				
Operating temperature	°C	-40 to +85				
Temperature coefficients of P <sub>max</sub>	%/°C	-0.36				
Temperature coefficients of V <sub>oc</sub>	%/°C	-0.36				
Temperature coefficients of I <sub>sc</sub>	%/°C	0.06				
Nominal 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.

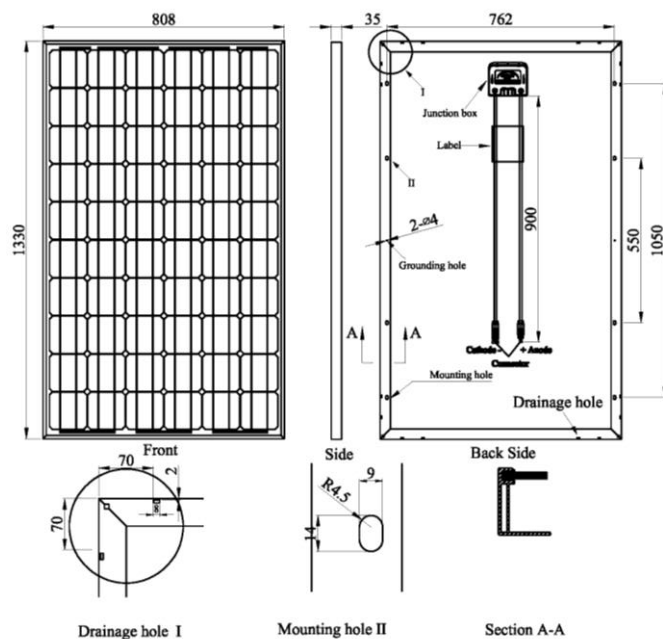
## MATERIAL CHARACTERISTICS

Cell type	Monocrystalline 125 x 125 mm
No. of cells	60 (6 x 10)
Dimensions	1330 x 808 x 35 mm
Weight	11.7 kg
Junction box	IP 67 rated
Output cable	4.0 mm <sup>2</sup> , 900 mm
Connector type	MC 4 / MC 4 compatible
Hail resistance	Max. Ø 25 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>

## PACKING INFORMATION

Packing configuration	70 pcs / double pallet
Loading capacity	1120 pcs / 40 HQ
Size / pallet	1380 x 1135 x 2325 mm
Weight	905 kg / pallet

## DRAWINGS



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