

# MonoPower Micro

ASP M5-96 Series 250W-275W

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



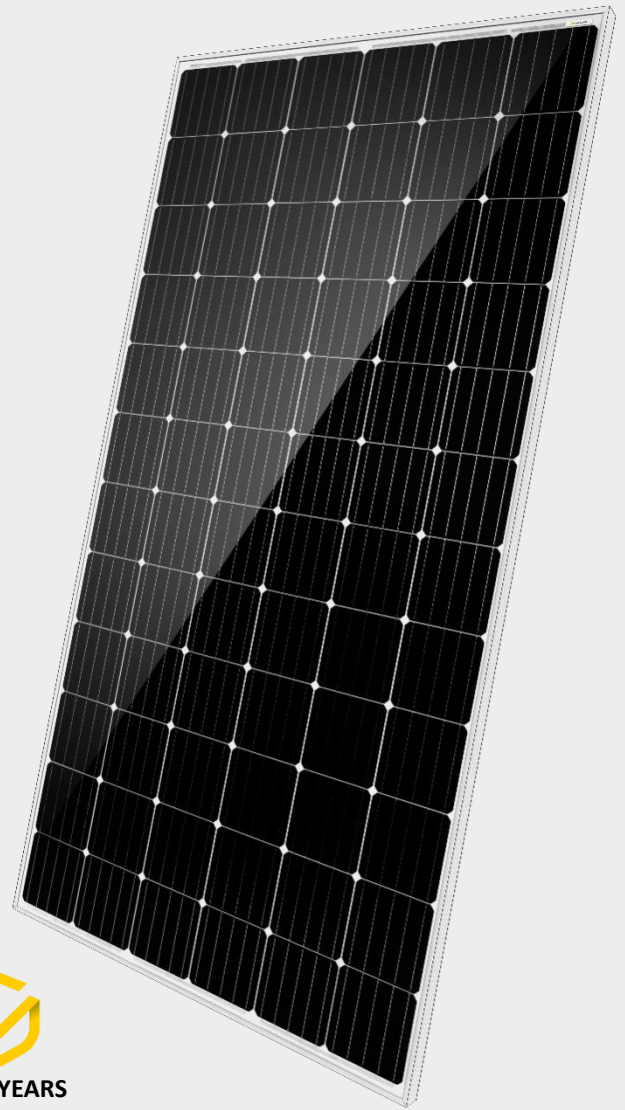
## FOR ALL ENVIRONMENTAL CONDITIONS

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



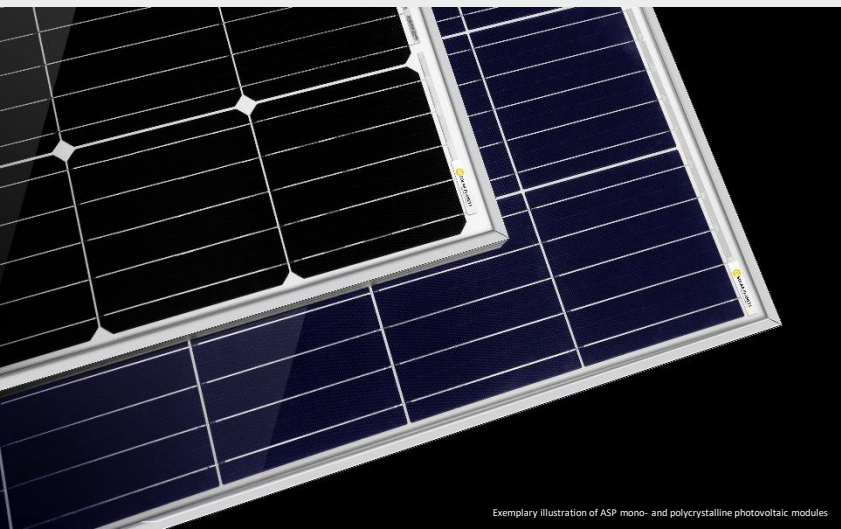
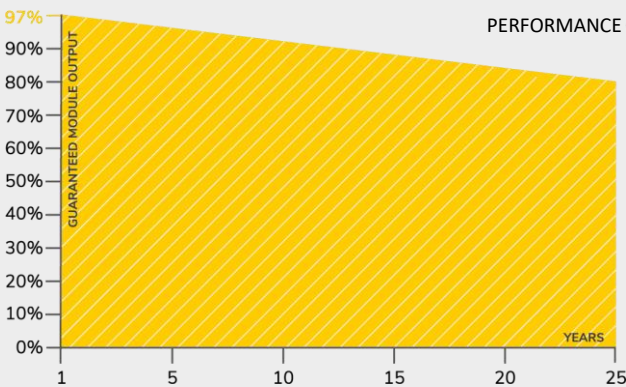
**12 YEARS**  
PRODUCT WARRANTY

Exemplary illustration of ASP M5-72

## OUR PERFORMANCE GUARANTEE



**25 YEARS**  
PERFORMANCE GUARANTEE



Exemplary illustration of ASP mono- and polycrystalline photovoltaic modules

## CERTIFICATES



IEC 61215  
IEC 61730  
PERIODICAL  
INCEPTION



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



**SOLAR PLANET**

Enjoy the quality difference

# MonoPower Micro Module

ASP M5-96 Series 250W-275W

## TECHNICAL DATA

ASP250M5-96 ASP255M5-96 ASP260M5-96 ASP265M5-96 ASP270M5-96 ASP275M5-96

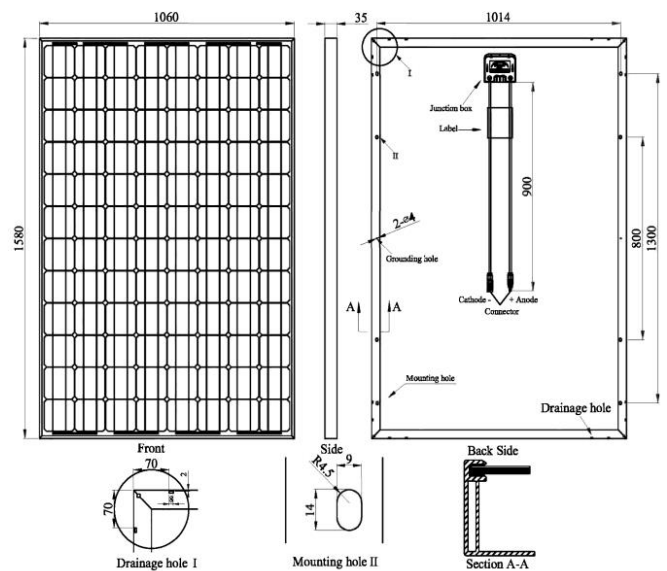
Parameter	Unit	ASP250M5-96	ASP255M5-96	ASP260M5-96	ASP265M5-96	ASP270M5-96	ASP275M5-96
Maximum power	P <sub>max</sub> (Wp)	250	255	260	265	270	275
Maximum power voltage	V <sub>mp</sub> (V)	50.02	50.22	50.41	50.60	50.79	50.98
Maximum power current	I <sub>mp</sub> (A)	5.00	5.08	5.16	5.24	5.32	5.39
Open-circuit voltage	V <sub>oc</sub> (V)	60.30	60.44	60.59	60.73	60.87	60.02
Short-circuit current	I <sub>sc</sub> (A)	5.31	5.37	5.44	5.50	5.57	5.62
Module efficiency	%	14.93	15.23	15.52	15.82	16.12	16.42
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	96 (8 x 12)
Dimensions	1580 x 1060 x 35 mm
Weight	19 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>

## DRAWINGS



## PACKING INFORMATION

Packing configuration	60 pcs / double pallet
Loading capacity	840 pcs / 40 HQ
Size / pallet	1630 x 1135 x 2420 mm
Weight	1230 kg / pallet



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