

# MonoPower Micro

ASP M5-48 Series 120W-145W

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



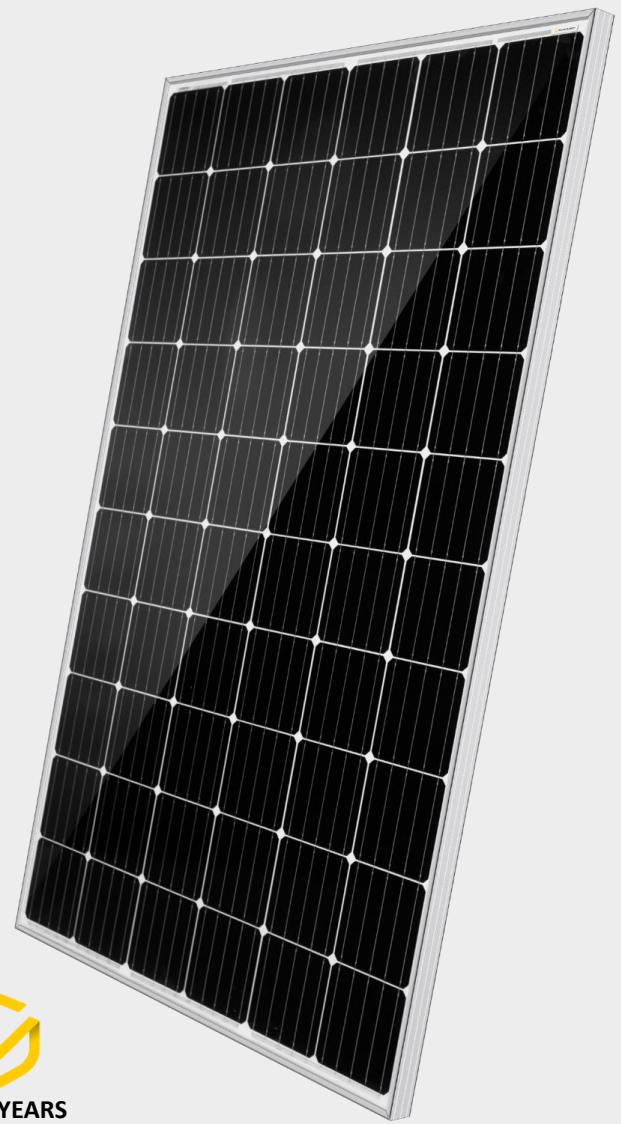
## FOR ALL ENVIRONMENTAL CONDITIONS

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



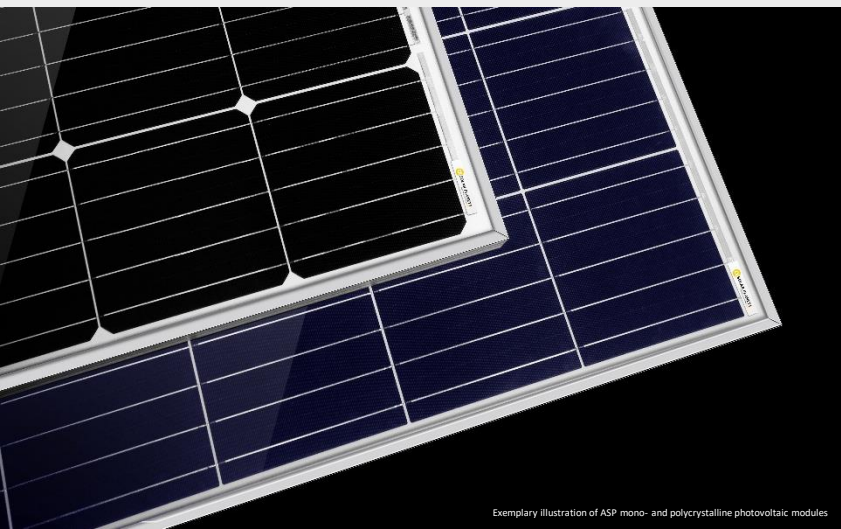
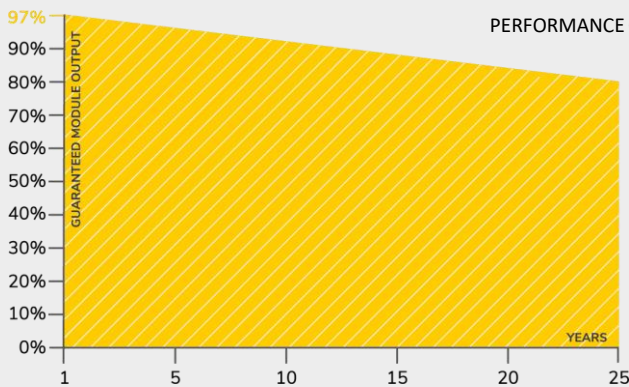
**12 YEARS**  
PRODUCT WARRANTY

Exemplary illustration of ASP M5-60

## OUR PERFORMANCE GUARANTEE



**25 YEARS**  
PERFORMANCE GUARANTEE



Exemplary illustration of ASP mono- and polycrystalline photovoltaic modules

## 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**



**SOLAR PLANET**

Enjoy the quality difference

# MonoPower Micro Module

ASP M5-48 Series 120W-145W

## TECHNICAL DATA

ASP120M5-48    ASP125M5-48    ASP130M5-48    ASP135M5-48    ASP140M5-48    ASP145M5-48

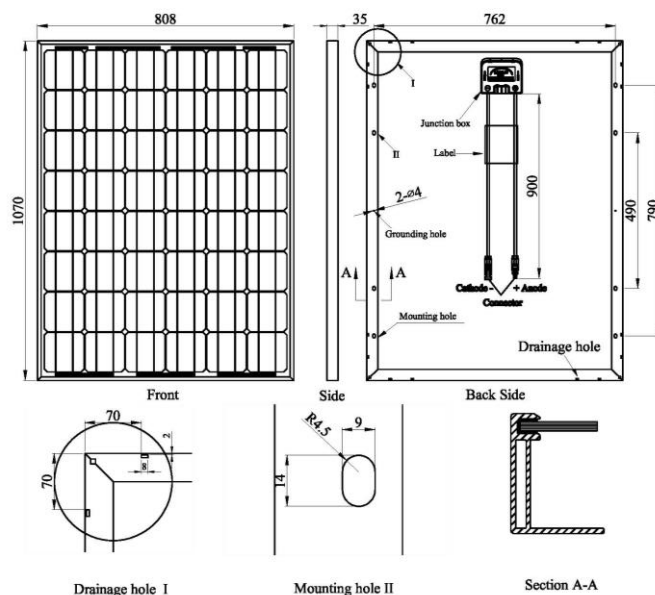
Parameter	Unit	ASP120M5-48	ASP125M5-48	ASP130M5-48	ASP135M5-48	ASP140M5-48	ASP145M5-48
Maximum power	P <sub>max</sub> (Wp)	120	125	130	135	140	145
Maximum power voltage	V <sub>mp</sub> (V)	24.99	25.15	25.31	25.47	25.63	25.79
Maximum power current	I <sub>mp</sub> (A)	4.80	4.97	5.14	5.30	5.46	5.62
Open-circuit voltage	V <sub>oc</sub> (V)	29.93	30.09	30.25	30.41	30.58	30.74
Short-circuit current	I <sub>sc</sub> (A)	5.19	5.32	5.44	5.57	5.69	5.81
Module efficiency	%	13.88	14.46	15.04	15.61	16.19	16.77
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	48 (6 x 8)
Dimensions	1070 x 808 x 35 mm
Weight	7.6 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	70 pcs / double pallet
Loading capacity	1400 pcs / 40 HQ
Size / pallet	1120 x 1135 x 2325 mm
Weight	805 kg / pallet



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