

# MonoPower Basic

ASP M6-48 Series 210W-235W

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



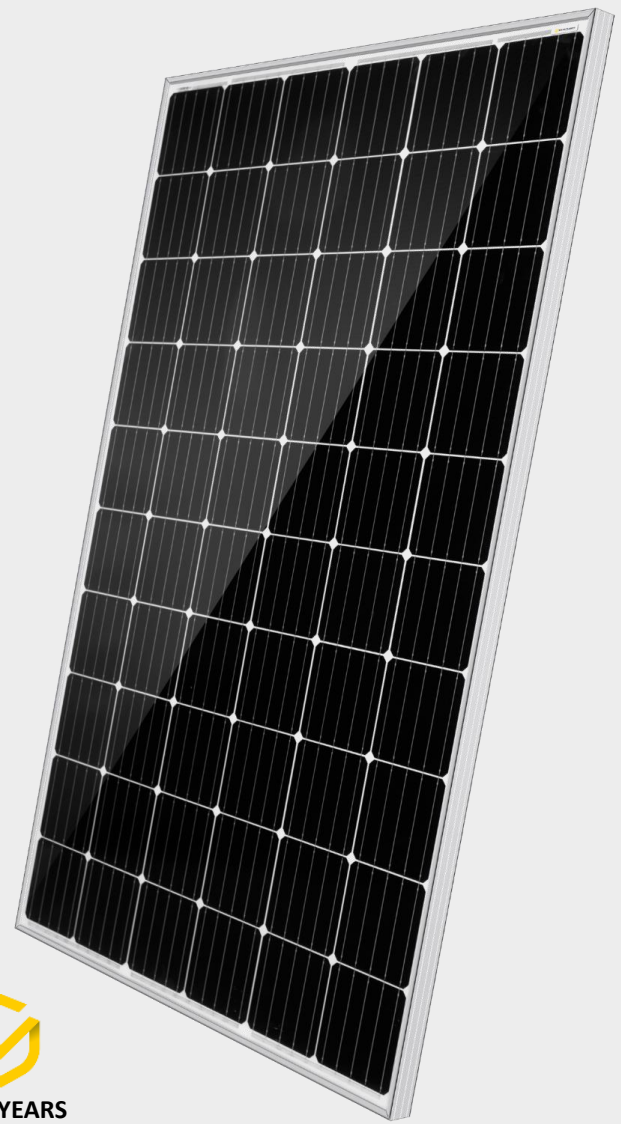
## FOR ALL ENVIRONMENTAL CONDITIONS

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



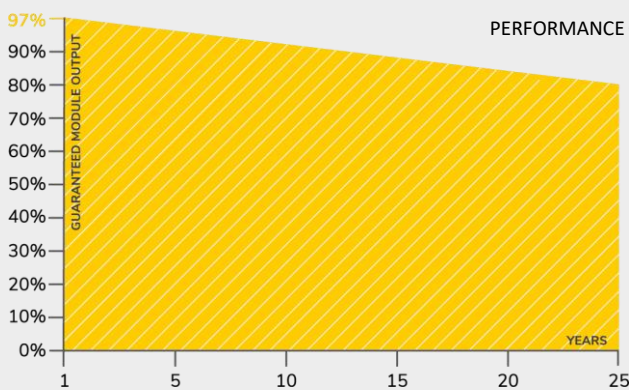
**12 YEARS**  
PRODUCT WARRANTY

Exemplary illustration of ASP M6-60

## OUR PERFORMANCE GUARANTEE



**25 YEARS**  
PERFORMANCE GUARANTEE



## CERTIFICATES

SGS  
**TÜV**  
SAAR

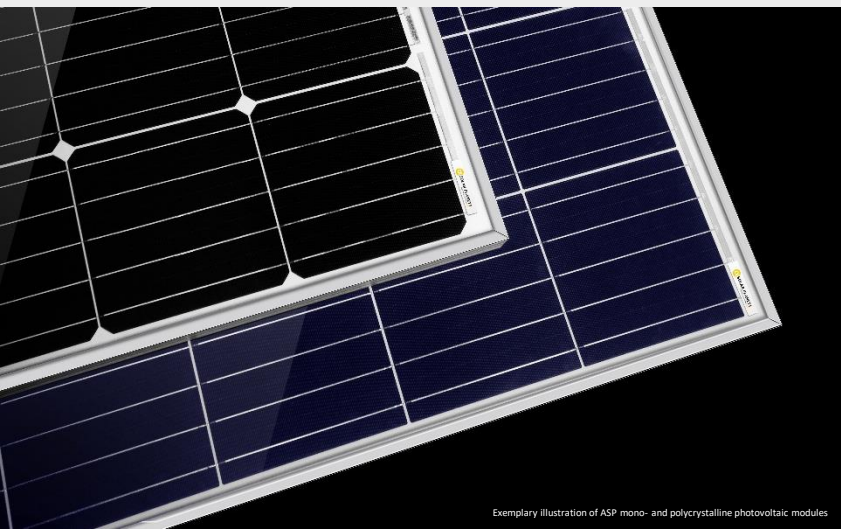
IEC 61215  
IEC 61730  
PERIODICAL  
INCEPTION

**SGS**

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

**CE**

**CEC**



Exemplary illustration of ASP mono- and polycrystalline photovoltaic modules

**α SOLAR PLANET**  
Enjoy the quality difference

# MonoPower Basic Module

ASP M6-48 Series 210W-235W

## TECHNICAL DATA

ASP210M6-48    ASP215M6-48    ASP220M6-48    ASP225M6-48    ASP230M6-48    ASP235M6-48

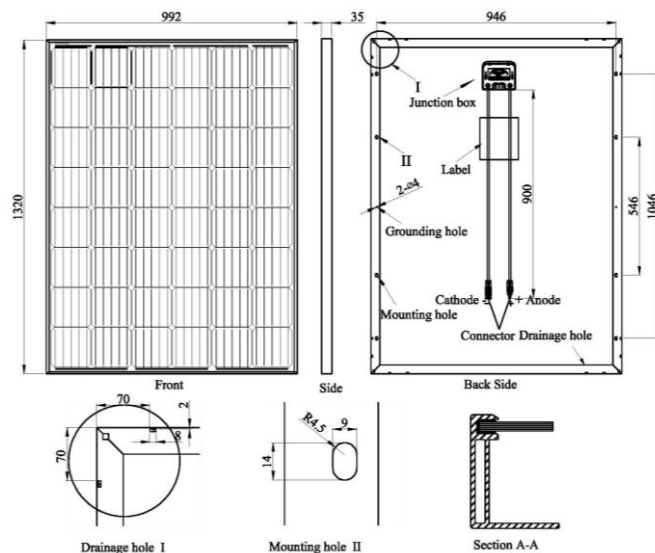
Parameter	Unit	ASP210M6-48	ASP215M6-48	ASP220M6-48	ASP225M6-48	ASP230M6-48	ASP235M6-48
Maximum power	P <sub>max</sub> (Wp)	210	215	220	225	230	235
Maximum power voltage	V <sub>mp</sub> (V)	25.41	25.87	26.01	26.38	26.59	26.83
Maximum power current	I <sub>mp</sub> (A)	8.27	8.32	8.46	8.53	8.65	8.77
Open-circuit voltage	V <sub>oc</sub> (V)	31.31	30.51	30.72	30.93	31.14	31.34
Short-circuit current	I <sub>sc</sub> (A)	9.06	9.21	9.32	9.45	9.51	9.56
Module efficiency	%	16.04	16.42	16.80	17.18	17.56	17.96
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	-0.38					
Temperature coefficients of V <sub>oc</sub>	%/°C	-0.29					
Temperature coefficients of I <sub>sc</sub>	%/°C	0.05					
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 156.75 x 156.75 mm
No. of cells	48 (6 x 8)
Dimensions	1320 x 992 x 35 mm
Weight	10.8 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	62 pcs / double pallet
Loading capacity	992 pcs / 40 HQ
Size / pallet	1370 x 1135 x 2325 mm
Weight	748 kg / pallet



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