

# MonoPower Large Cells

ASP HM6-96 Series 500W-520W

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



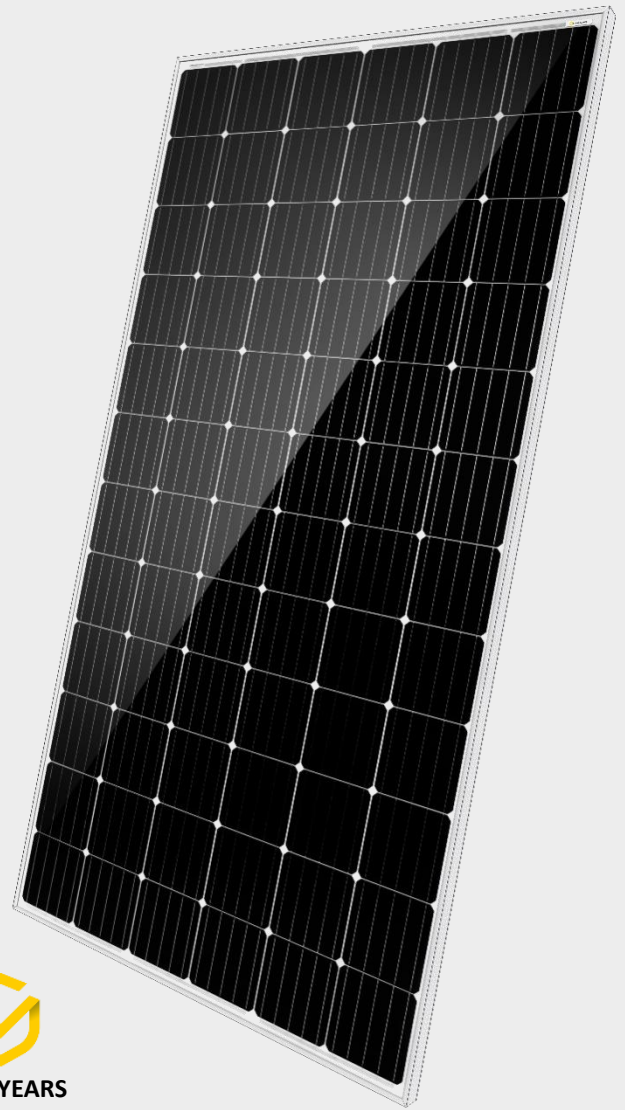
## FOR ALL ENVIRONMENTAL CONDITIONS

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

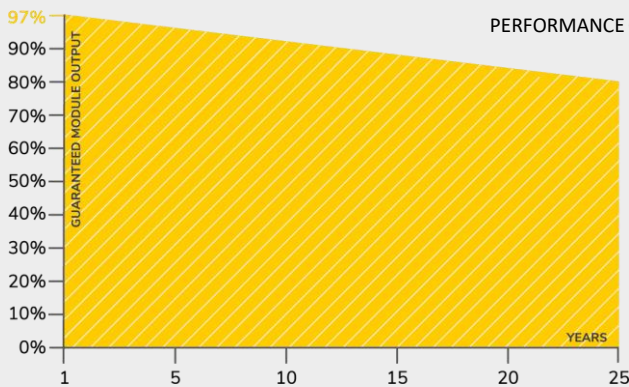


**12 YEARS**  
PRODUCT WARRANTY

## OUR PERFORMANCE GUARANTEE



**25 YEARS**  
PERFORMANCE GUARANTEE



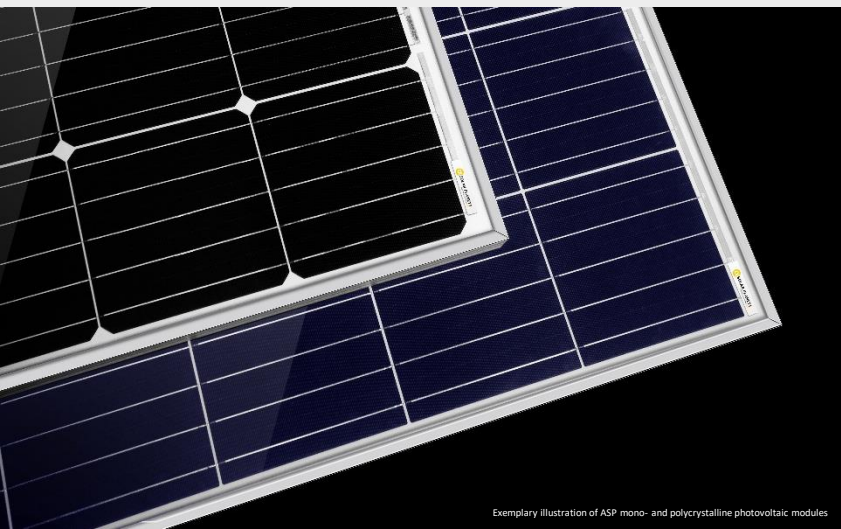
## CERTIFICATES



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 Large Cells

ASP HM6-96 Series 500W-520W

## TECHNICAL DATA

		ASP500HM6-96	ASP505HM6-96	ASP510HM6-96	ASP515HM6-96	ASP520HM6-96
Maximum power	P <sub>max</sub> (Wp)	500	505	510	515	520
Maximum power voltage	V <sub>mp</sub> (V)	52.30	52.71	53.18	53.65	54.05
Maximum power current	I <sub>mp</sub> (A)	9.56	9.58	9.59	9.60	9.62
Open-circuit voltage	V <sub>oc</sub> (V)	63.59	64.17	64.74	65.31	65.81
Short-circuit current	I <sub>sc</sub> (A)	10.08	10.09	10.10	10.11	10.13
Module efficiency	%	19.05	19.24	19.43	19.63	19.82
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	-0.37				
Temperature coefficients of V <sub>oc</sub>	%/°C	-0.28				
Temperature coefficients of I <sub>sc</sub>	%/°C	0.048				
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.

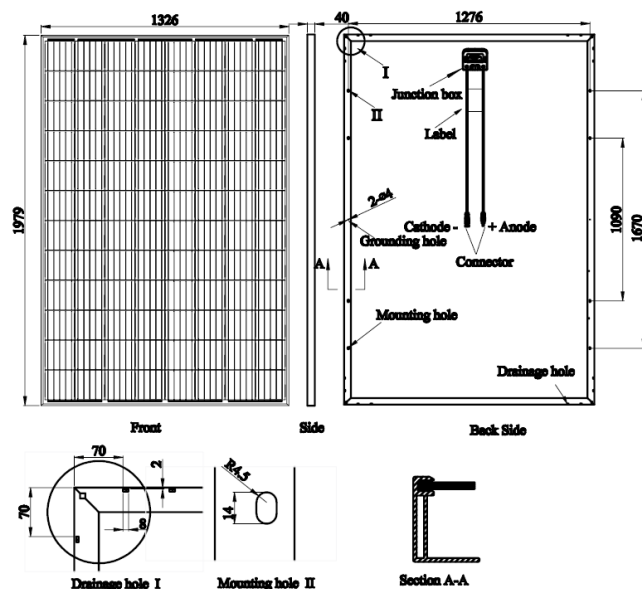
## MATERIAL CHARACTERISTICS

Cell type	Monocrystalline 158.75 x 158.75 mm
No. of cells	96 (8 x 12)
Dimensions	1979 x 1326 x 40 mm
Weight	30.0 kg
Junction box	IP 67 rated
Output cable	4.0 mm <sup>2</sup> , 1200 mm length
Connector type	MC 4 / MC 4 compatible
Hail resistance	Max. Ø 28 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	27 pcs / double pallet
Loading capacity	297 pcs / 40 HQ
Size / pallet	2010 x 1120 x 1450 mm
Weight	865 kg / pallet

## DRAWINGS



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