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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Alpha Solar Planet GmbH  
ASP HM6-72 Series 390W-400W  
ASP390HM6-72**

Also available on the web at  
[EnergyPal.com/alpha-solar-planet-gmbh-solar-panels/asp390hm6-72](http://EnergyPal.com/alpha-solar-planet-gmbh-solar-panels/asp390hm6-72)

# MonoPower Large Cells

ASP HM6-72 Series 390W-400W

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



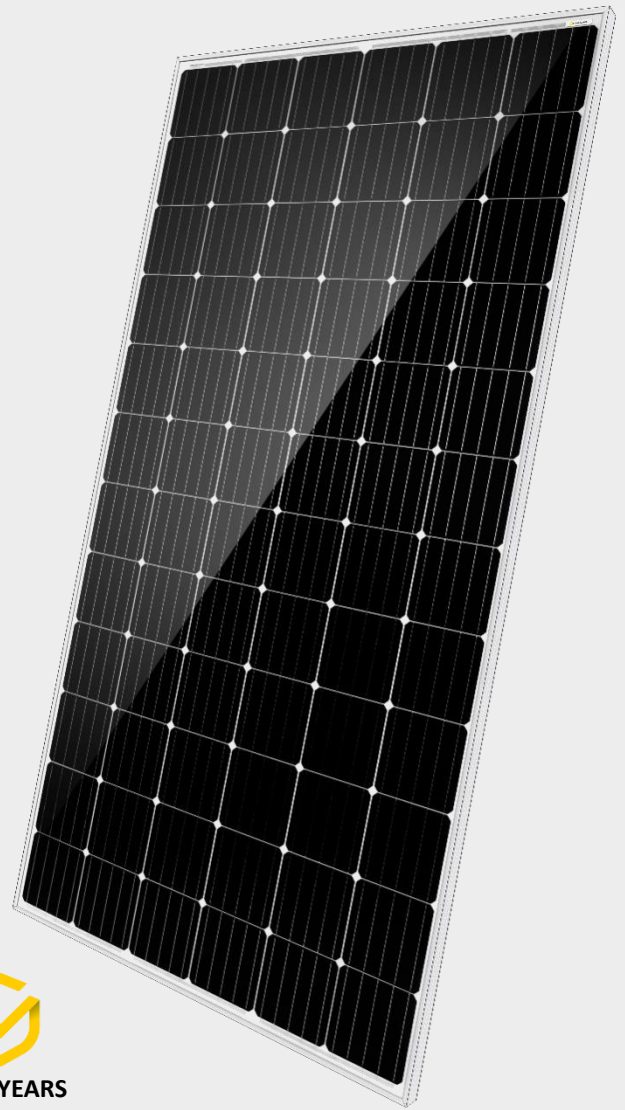
## FOR ALL ENVIRONMENTAL CONDITIONS

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

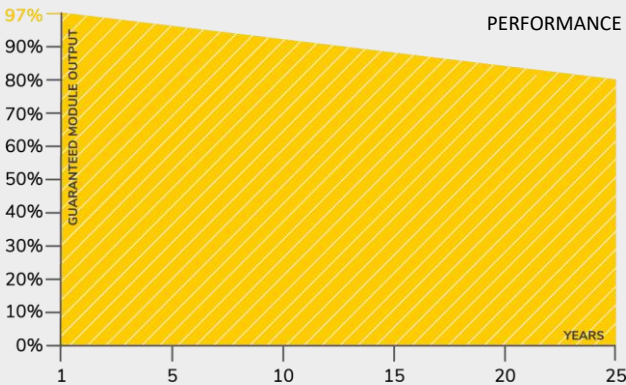


**12 YEARS**  
PRODUCT WARRANTY

## OUR PERFORMANCE GUARANTEE



**25 YEARS**  
PERFORMANCE GUARANTEE



## CERTIFICATES

SGS  
**TÜV**  
SAAR

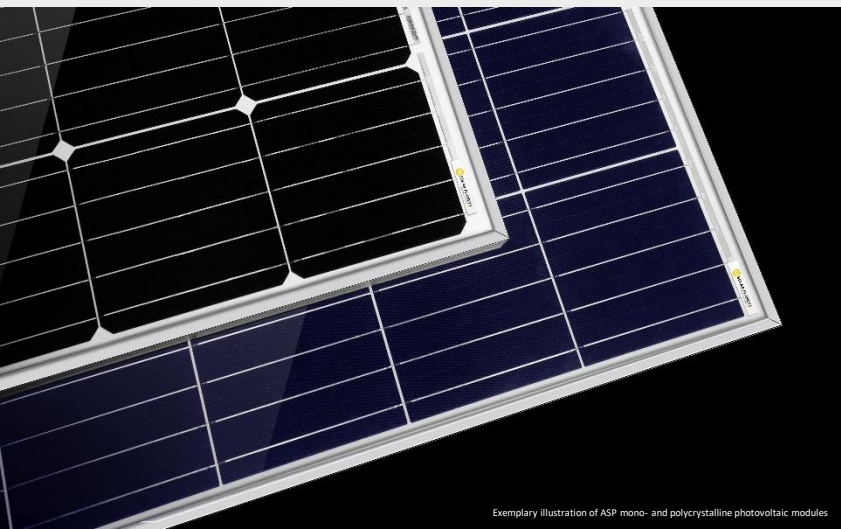
IEC 61215  
IEC 61730  
PERIODICAL  
INCEPTION

**SGS**

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

**CE**

**CEC**



**SOLAR PLANET**

Enjoy the quality difference

# MonoPower Large Cells

ASP HM6-72 Series 390W-400W

## TECHNICAL DATA

ASP390HM6-72

ASP395HM6-72

ASP400HM6-72

Parameter	Unit	ASP390HM6-72	ASP395HM6-72	ASP400HM6-72
Maximum power	P <sub>max</sub> (Wp)	390	395	400
Maximum power voltage	V <sub>mp</sub> (V)	41.10	41.40	41.71
Maximum power current	I <sub>mp</sub> (A)	9.49	9.54	9.59
Open-circuit voltage	V <sub>oc</sub> (V)	49.30	49.48	49.69
Short-circuit current	I <sub>sc</sub> (A)	10.12	10.50	10.59
Module efficiency	%	19.67	19.92	20.17
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.

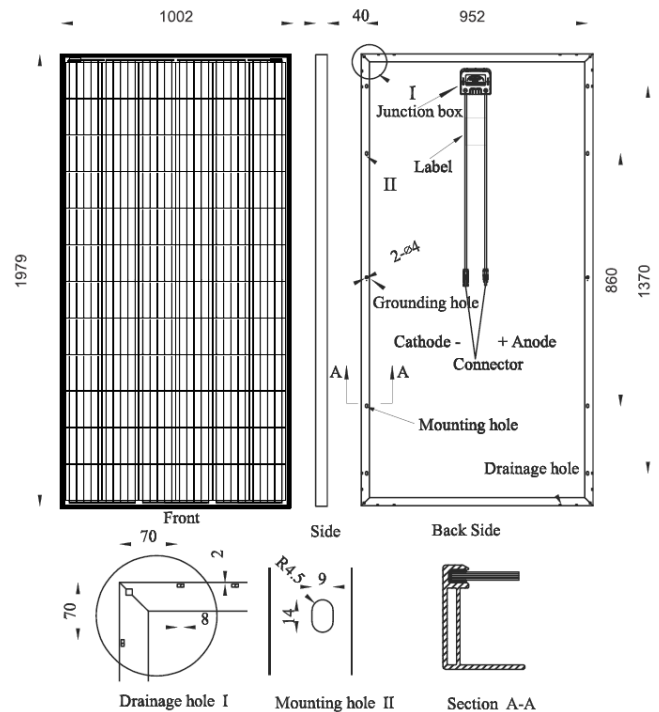
## MATERIAL CHARACTERISTICS

Cell type	Monocrystalline 158.75 x 158.75 mm
No. of cells	72 (6 x 12)
Dimensions	1979 x 1002 x 40 mm
Weight	22.5 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	56 pcs / double pallet
Loading capacity	616 pcs / 40 HQ
Size / pallet	2015 x 1120 x 2335 mm
Weight	1380 kg / double pallet

## DRAWINGS



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