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# **EnergyPal**

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

**Alpha Solar Planet GmbH  
ASP P6-36 Series 155W-175W  
ASP170P6-36**

Also available on the web at  
[EnergyPal.com/alpha-solar-planet-gmbh-solar-panels/asp170p6-36](http://EnergyPal.com/alpha-solar-planet-gmbh-solar-panels/asp170p6-36)

# PolyPower Basic

ASP P6-36 Series 155W-175W

Polycrystalline 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



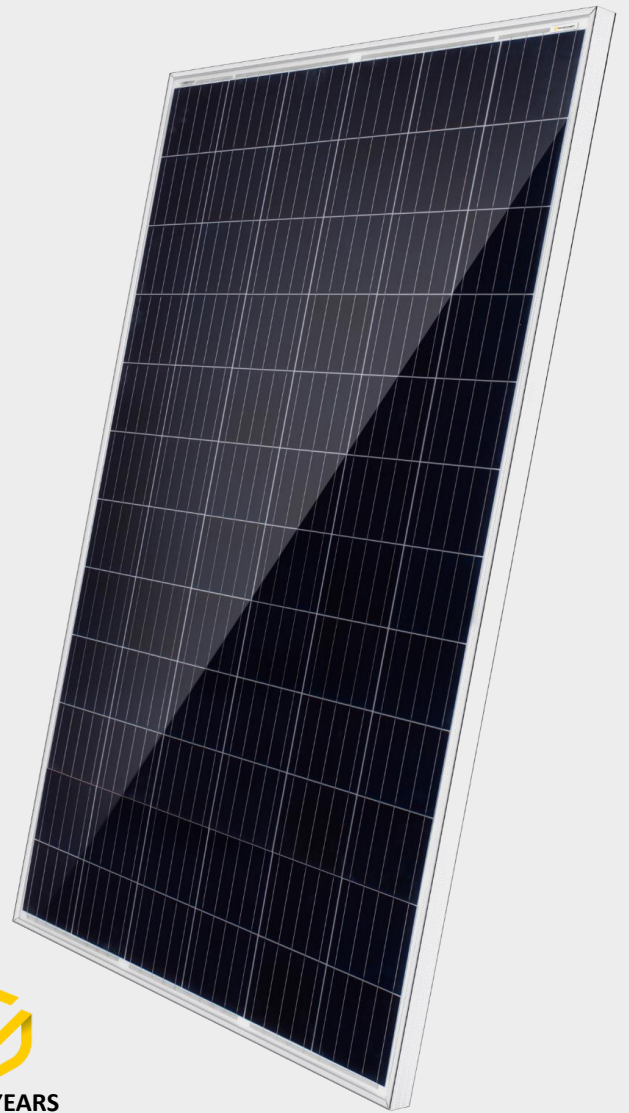
## FOR ALL ENVIRONMENTAL CONDITIONS

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

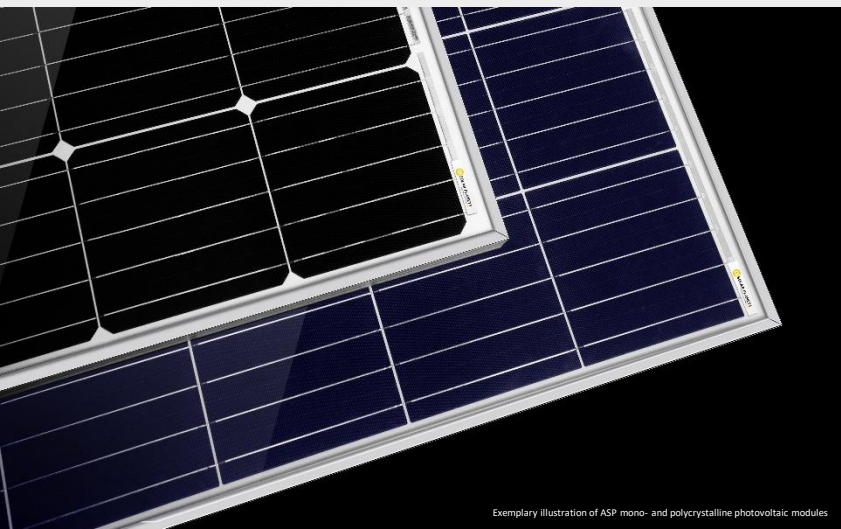
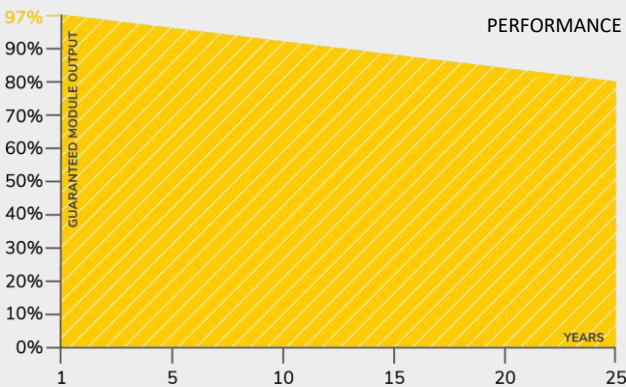
Exemplary illustration of ASP P6-72

## 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

# PolyPower Basic Module

ASP P6-36 Series 155W-175W

## TECHNICAL DATA

ASP155P6-36

ASP160P6-36

ASP165P6-36

ASP170P6-36

ASP175P6-36

Parameter	Unit	ASP155P6-36	ASP160P6-36	ASP165P6-36	ASP170P6-36	ASP175P6-36
Maximum power	P <sub>max</sub> (Wp)	155	160	165	170	175
Maximum power voltage	V <sub>mp</sub> (V)	17.90	18.32	18.73	19.15	19.56
Maximum power current	I <sub>mp</sub> (A)	8.66	8.73	8.81	8.88	8.95
Open-circuit voltage	V <sub>oc</sub> (V)	22.69	22.90	23.10	23.31	23.52
Short-circuit current	I <sub>sc</sub> (A)	9.27	9.31	9.35	9.42	9.48
Module efficiency	%	15.63	16.14	16.64	17.14	17.65
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	-0.40				
Temperature coefficients of V <sub>oc</sub>	%/°C	-0.31				
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.

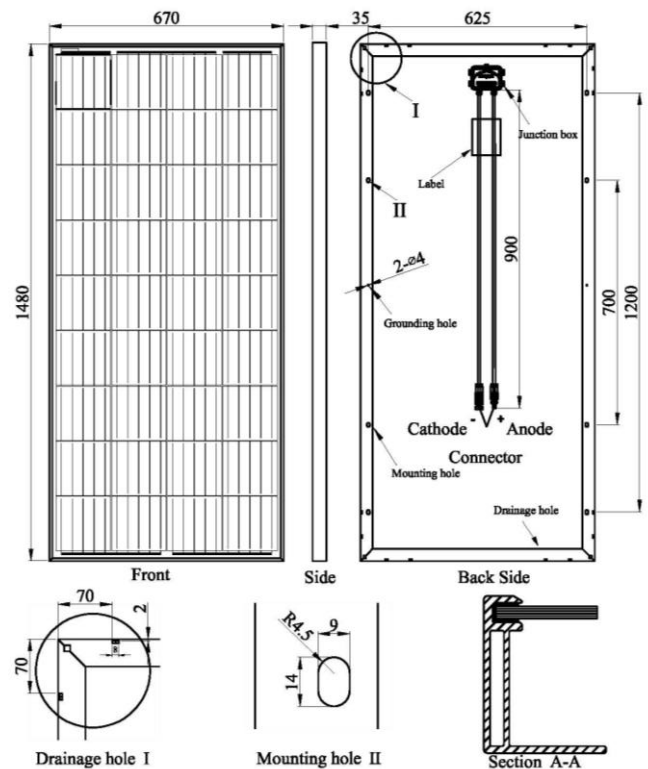
## MATERIAL CHARACTERISTICS

Cell type	Polycrystalline 156.75 x 156.75 mm
No. of cells	36 (4 x 9)
Dimensions	1480 x 670 x 35 mm
Weight	10.8 kg
Junction box	IP 67 rated
Output cable	4.0 mm <sup>2</sup> , 1100 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	90 pcs / double pallet
Loading capacity	1350 pcs / 40 HQ
Size / pallet	1530 x 1135 x 2430 mm
Weight	1098 kg / pallet

## DRAWINGS



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