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# **EnergyPal**

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

**Alpha Solar Planet GmbH  
ASP M6-36 Series 185W-195W  
ASP185M6-36**

Also available on the web at  
[EnergyPal.com/alpha-solar-planet-gmbh-solar-panels/asp185m6-36](http://EnergyPal.com/alpha-solar-planet-gmbh-solar-panels/asp185m6-36)

# MonoPower Basic

ASP M6-36 Series 185W-195W

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



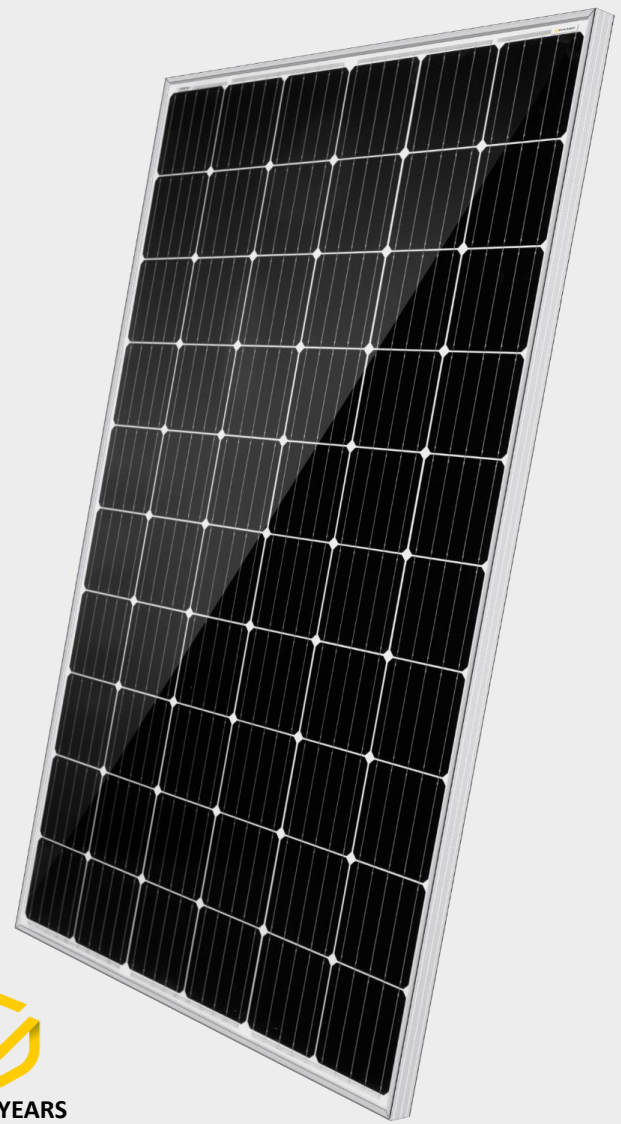
## FOR ALL ENVIRONMENTAL CONDITIONS

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



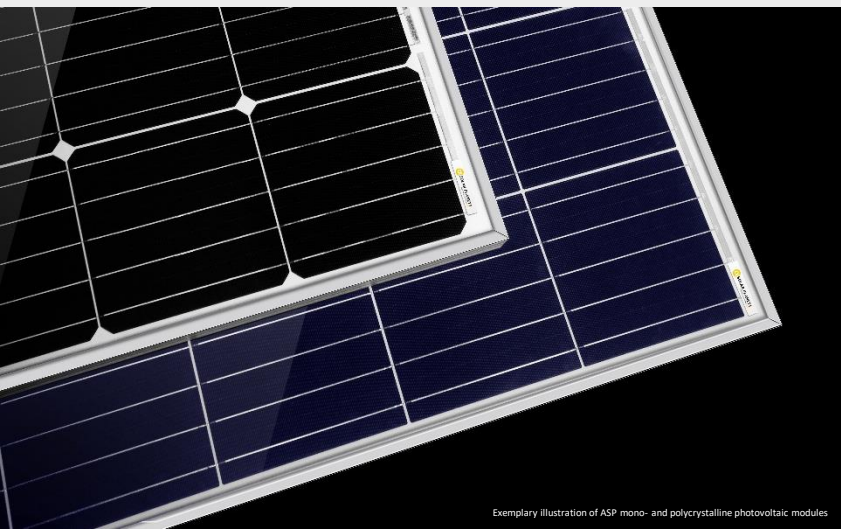
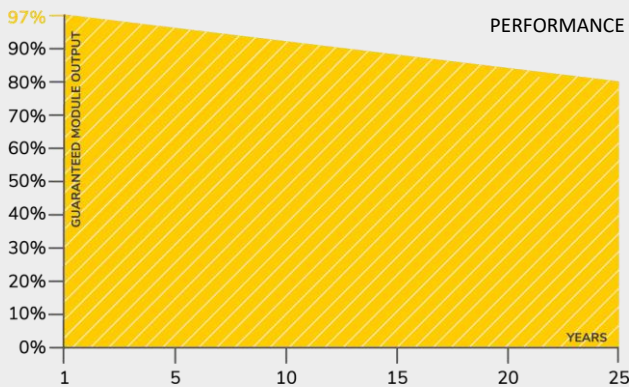
**12 YEARS**  
PRODUCT WARRANTY

Exemplary illustration of ASP M6-60

## OUR PERFORMANCE GUARANTEE



**25 YEARS**  
PERFORMANCE GUARANTEE



Exemplary illustration of ASP mono- and polycrystalline photovoltaic modules

## 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 Basic Module

ASP M6-36 Series 185W-195W

## TECHNICAL DATA

ASP185M6-36

ASP190M6-36

ASP195M6-36

		ASP185M6-36	ASP190M6-36	ASP195M6-36
Maximum power	P <sub>max</sub> (Wp)	185	190	195
Maximum power voltage	V <sub>mp</sub> (V)	20.59	21.00	21.41
Maximum power current	I <sub>mp</sub> (A)	8.98	9.04	9.11
Open-circuit voltage	V <sub>oc</sub> (V)	23.85	24.05	24.27
Short-circuit current	I <sub>sc</sub> (A)	9.65	9.73	9.79
Module efficiency	%	18.66	19.16	19.66
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.

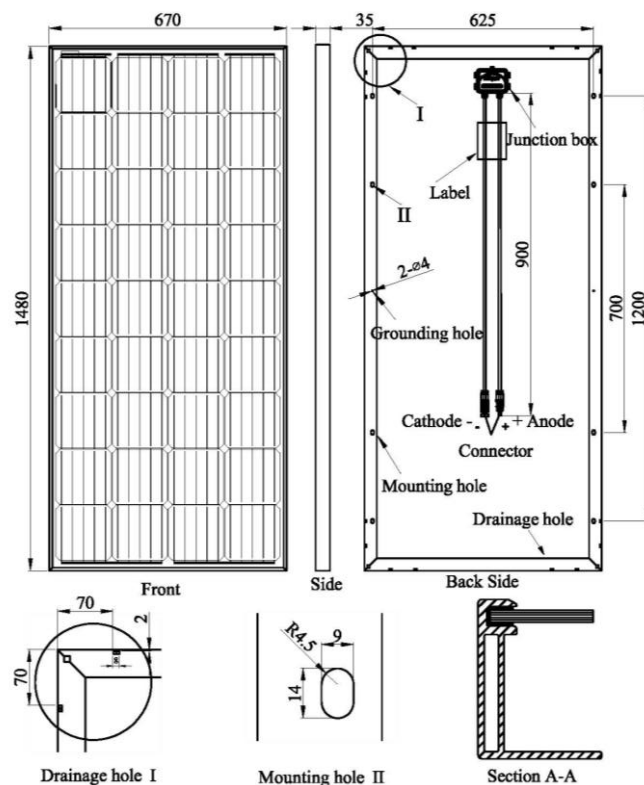
## MATERIAL CHARACTERISTICS

Cell type	Monocrystalline 156.75 x 156.75 mm
No. of cells	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> , 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>

## PACKING INFORMATION

Packing configuration	90 pcs / double pallet
Loading capacity	1350 pcs / 40 HQ
Size / pallet	1510 x 1135 x 2370 mm
Weight	1100 kg / pallet

## DRAWINGS



Alpha Solar Planet GmbH  
Schwalbenweg 1 g, 86343 Königsbrunn

Tel.: +49 8231 99190 70  
Fax: +49 8231 99190 89

E-mail: info@a-s-p.solar  
Web: www.a-s-p.solar



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