

# PolyPower Half Cells

ASP P6-60 HC Series 275W-300W

Polycrystalline half cells 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



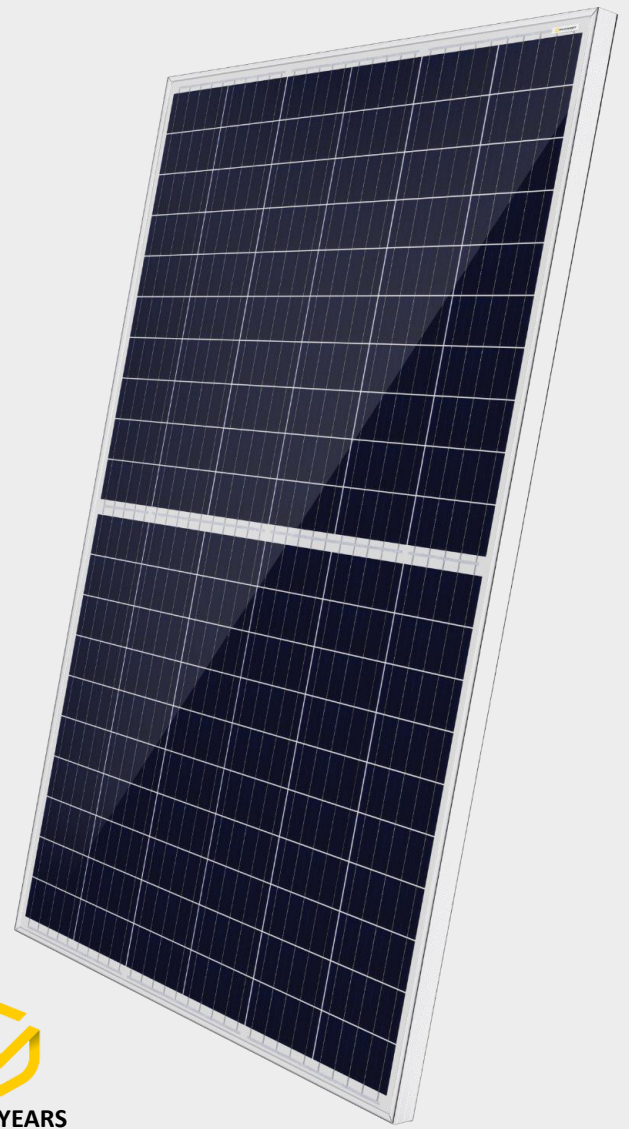
## FOR ALL ENVIRONMENTAL CONDITIONS

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

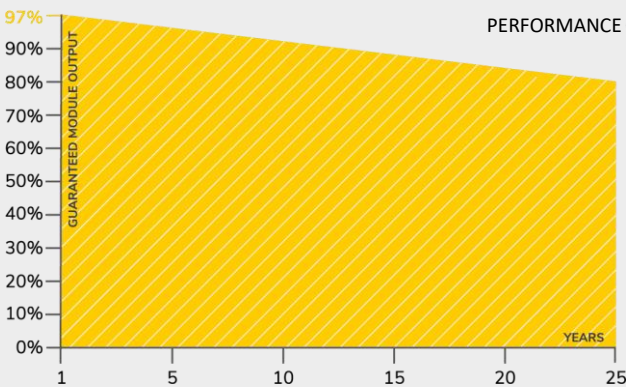


**12 YEARS**  
PRODUCT WARRANTY

## OUR PERFORMANCE GUARANTEE



**25 YEARS**  
PERFORMANCE GUARANTEE



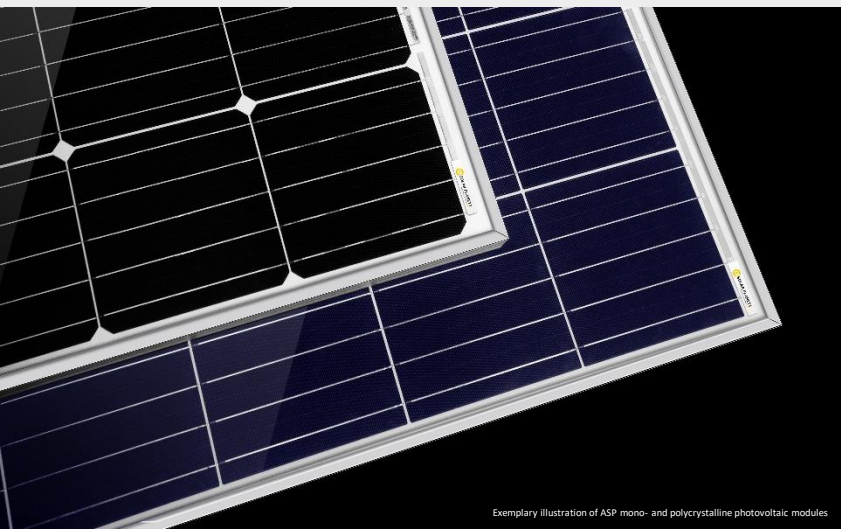
## CERTIFICATES



IEC 61215  
IEC 61730  
PERIODICAL  
INCEPTION



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



**ALPHA SOLAR PLANET**  
Enjoy the quality difference

# PolyPower Half Cells Module

ASP P6-60 HC Series 275W-300W

## TECHNICAL DATA

ASP275P6-60    ASP280P6-60    ASP285P6-60    ASP290P6-60    ASP295P6-60    ASP300P6-60

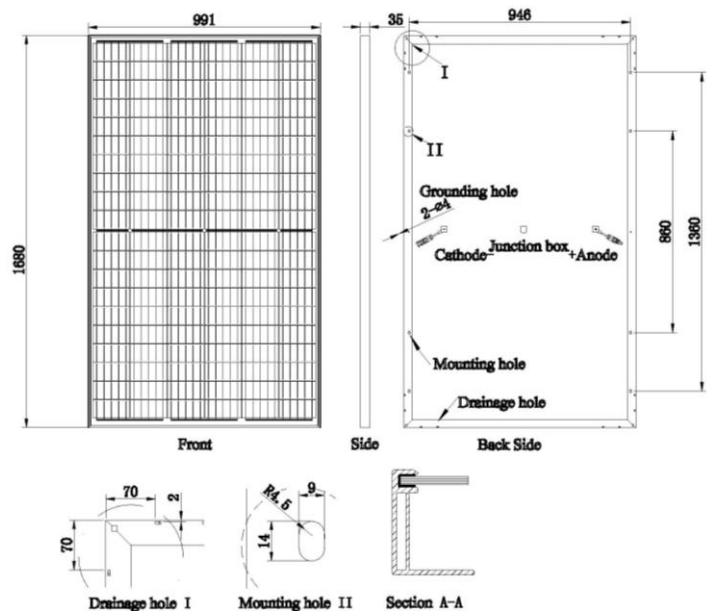
Parameter	Unit	ASP275P6-60	ASP280P6-60	ASP285P6-60	ASP290P6-60	ASP295P6-60	ASP300P6-60
Maximum power	P <sub>max</sub> (Wp)	275	280	285	290	295	300
Maximum power voltage	V <sub>mp</sub> (V)	31.87	32.15	32.43	32.70	32.96	33.19
Maximum power current	I <sub>mp</sub> (A)	8.63	8.71	8.79	8.87	8.95	9.04
Open-circuit voltage	V <sub>oc</sub> (V)	38.14	38.42	38.69	38.98	38.35	38.68
Short-circuit current	I <sub>sc</sub> (A)	9.20	9.27	9.35	9.42	9.49	9.57
Module efficiency	%	16.52	16.82	17.12	17.42	17.72	18.02
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	-0.39					
Temperature coefficients of V <sub>oc</sub>	%/°C	-0.33					
Temperature coefficients of I <sub>sc</sub>	%/°C	0.05					
Nominal operating cell temp. (NOCT)	°C	45 ± 3					

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 78.38 mm
No. of cells	120 (6 x 20)
Dimensions	1680 x 991 x 35mm
Weight	19 kg
Junction box	IP 67 rated
Output cable	4 mm <sup>2</sup> , 350 mm length
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	64 pcs / double pallet
Loading capacity	832 pcs / 40 HQ
Size / pallet	1720 x 1135 x 2385 mm
Weight	1315 kg / pallet



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

