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Solar Panel Guide Specification Data Sheet

**Alpha Solar Planet GmbH
ASP M6-36 Series 165W-180W
ASP165M6-36**

Also available on the web at
EnergyPal.com/alpha-solar-planet-gmbh-solar-panels/asp165m6-36

MonoPower Basic

ASP M6-36 Series 165W-180W

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



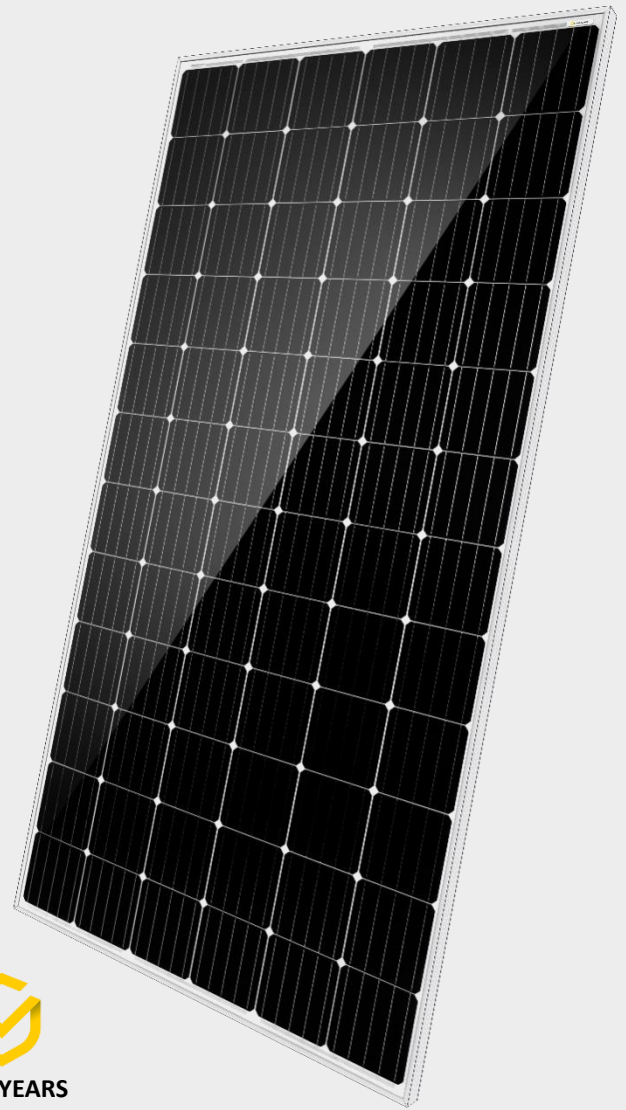
FOR ALL ENVIRONMENTAL CONDITIONS

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



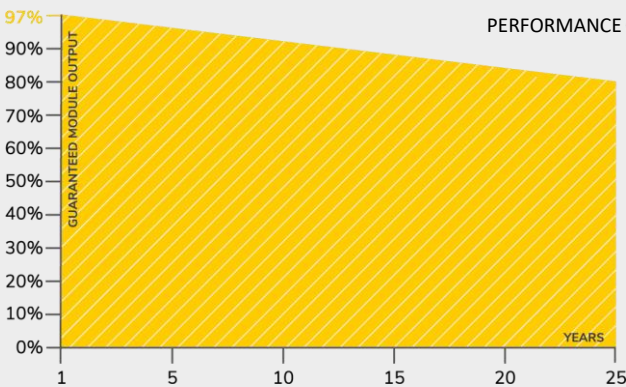
12 YEARS
PRODUCT WARRANTY

Exemplary illustration of ASP M6-60

OUR PERFORMANCE GUARANTEE



25 YEARS
PERFORMANCE GUARANTEE



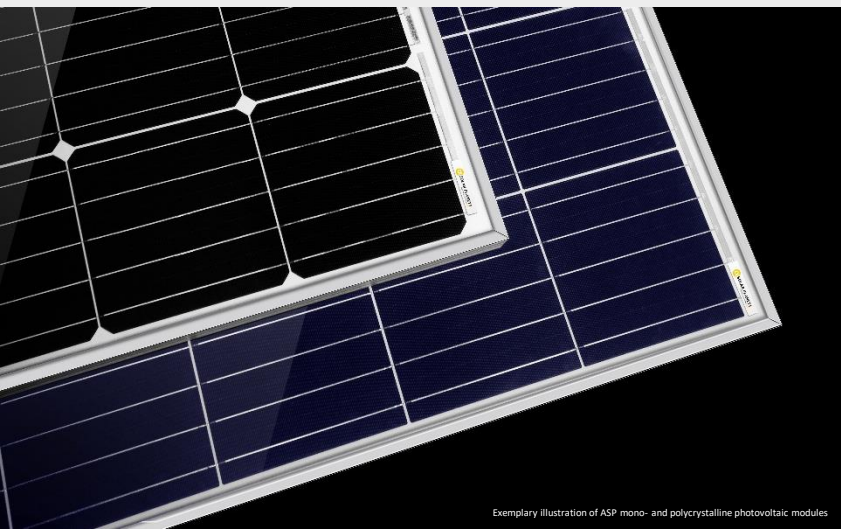
CERTIFICATES



IEC 61215
IEC 61730
PERIODICAL
INCEPTION



PID RESISTANT
SALT MIST RESISTANT
SAND RESISTANT
CORROSIVE GAS (NH₃)



Exemplary illustration of ASP mono- and polycrystalline photovoltaic modules



SOLAR PLANET
Enjoy the quality difference

MonoPower Basic Module

ASP M6-36 Series 165W-180W

TECHNICAL DATA

		ASP165M6-36	ASP170M6-36	ASP175M6-36	ASP180M6-36
Maximum power	P _{max} (Wp)	165	170	175	180
Maximum power voltage	V _{mp} (V)	18.93	19.34	19.76	20.18
Maximum power current	I _{mp} (A)	8.71	8.79	8.85	8.92
Open-circuit voltage	V _{oc} (V)	23.02	23.23	23.44	23.64
Short-circuit current	I _{sc} (A)	9.41	9.47	9.55	9.59
Module efficiency	%	16.64	17.14	17.65	18.15
Power tolerance	P _{max} (W)		0 / +5		
Maximum system voltage DC	V		1000		
Operating temperature	°C		40 to +85		
Temperature coefficients of P _{max}	%/°C		-0.38		
Temperature coefficients of V _{oc}	%/°C		-0.29		
Temperature coefficients of I _{sc}	%/°C		0.05		
Nominal operating cell temp. (NOCT)	°C		45 ± 2		

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m² with spectrum AM 1.5 and a cell temperature of 25°C.

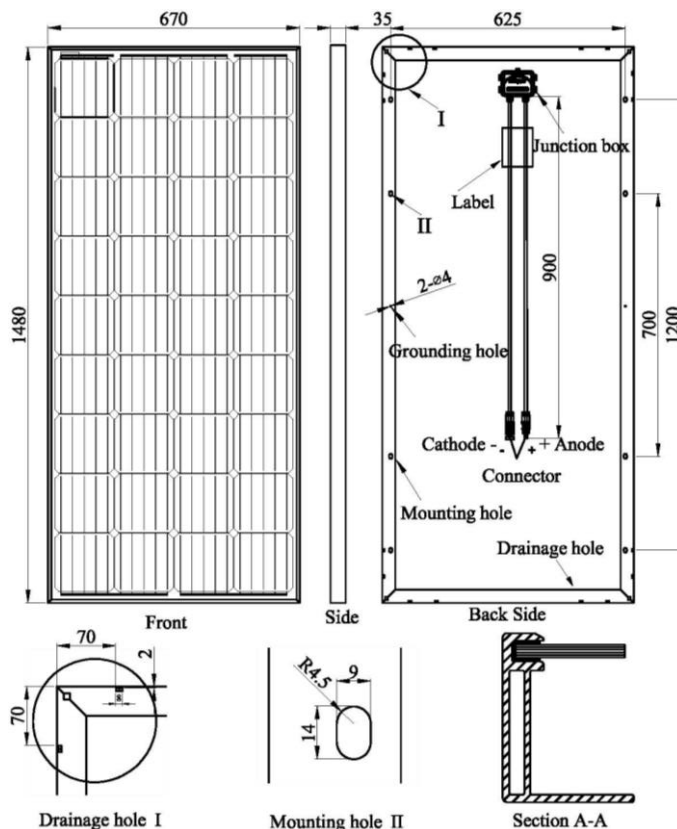
MATERIAL CHARACTERISTICS

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 ² , 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 ²
Mechanical load	5400 Pa / 550 kg / m ²

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



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