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Solar Panel Guide Specification Data Sheet

**Alpha Solar Planet GmbH
ASP M6-48 Series 210W-235W
ASP225M6-48**

Also available on the web at
EnergyPal.com/alpha-solar-planet-gmbh-solar-panels/asp225m6-48

MonoPower Basic

ASP M6-48 Series 210W-235W

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



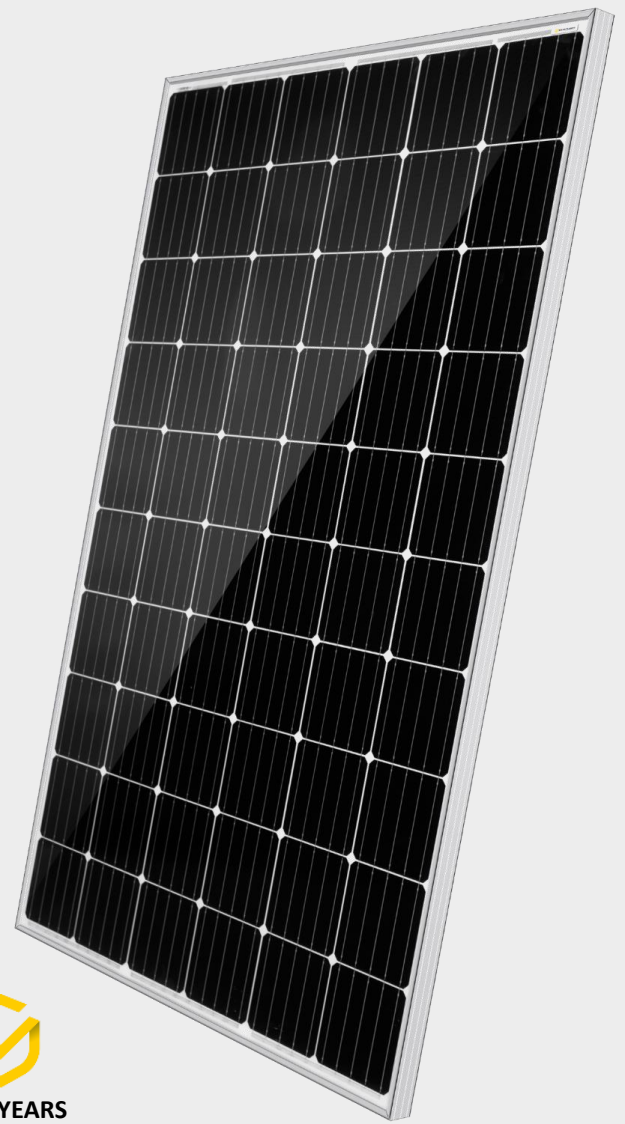
FOR ALL ENVIRONMENTAL CONDITIONS

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

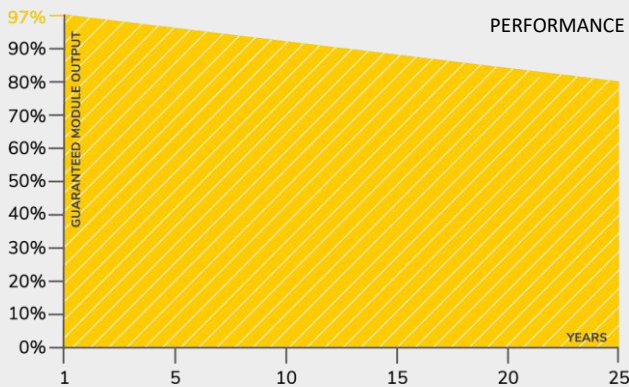
Exemplary illustration of ASP M6-60

OUR PERFORMANCE GUARANTEE



25 YEARS

PERFORMANCE GUARANTEE



CERTIFICATES

SGS
TÜV
SAAR

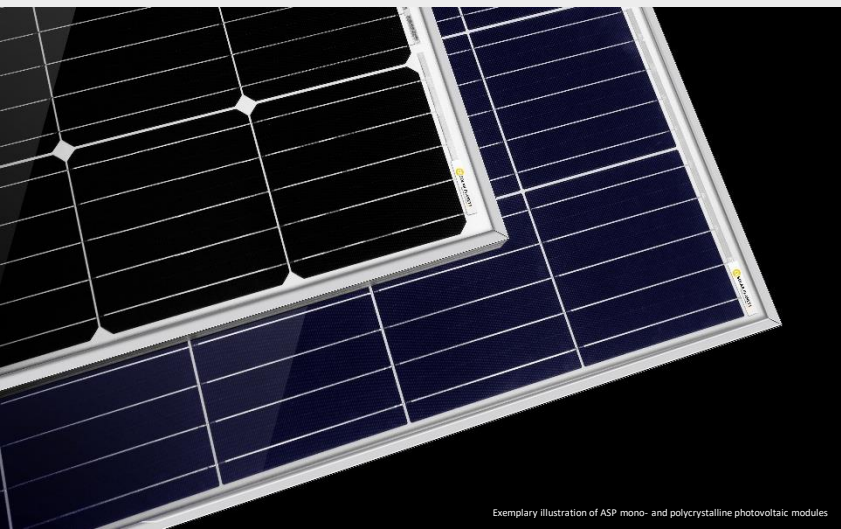
IEC 61215
IEC 61730
PERIODICAL
INCEPTION

SGS

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

CE

CEC



Exemplary illustration of ASP mono- and polycrystalline photovoltaic modules



SOLAR PLANET

Enjoy the quality difference

MonoPower Basic Module

ASP M6-48 Series 210W-235W

TECHNICAL DATA

ASP210M6-48 ASP215M6-48 ASP220M6-48 ASP225M6-48 ASP230M6-48 ASP235M6-48

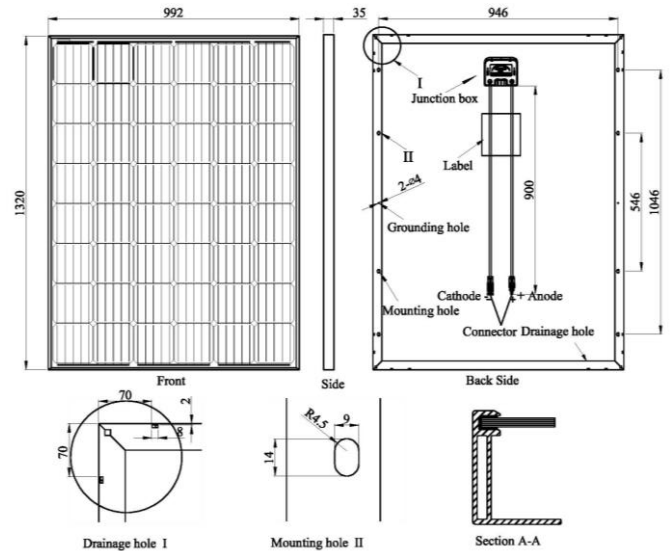
Parameter	Unit	ASP210M6-48	ASP215M6-48	ASP220M6-48	ASP225M6-48	ASP230M6-48	ASP235M6-48
Maximum power	Pmax (Wp)	210	215	220	225	230	235
Maximum power voltage	Vmp (V)	25.41	25.87	26.01	26.38	26.59	26.83
Maximum power current	Imp (A)	8.27	8.32	8.46	8.53	8.65	8.77
Open-circuit voltage	Voc (V)	31.31	30.51	30.72	30.93	31.14	31.34
Short-circuit current	Isc (A)	9.06	9.21	9.32	9.45	9.51	9.56
Module efficiency	%	16.04	16.42	16.80	17.18	17.56	17.96
Power tolerance	Pmax(W)	0 / +5					
Maximum system voltage DC	V	1000					
Operating temperature	°C	40 to +85					
Temperature coefficients of Pmax	%/°C	-0.38					
Temperature coefficients of Voc	%/°C	-0.29					
Temperature coefficients of Isc	%/°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	48 (6 x 8)
Dimensions	1320 x 992 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

DRAWINGS



PACKING INFORMATION

Packing configuration	62 pcs / double pallet
Loading capacity	992 pcs / 40 HQ
Size / pallet	1370 x 1135 x 2325 mm
Weight	748 kg / pallet



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