

MonoPower Basic

ASP M6-48 Series 220W-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



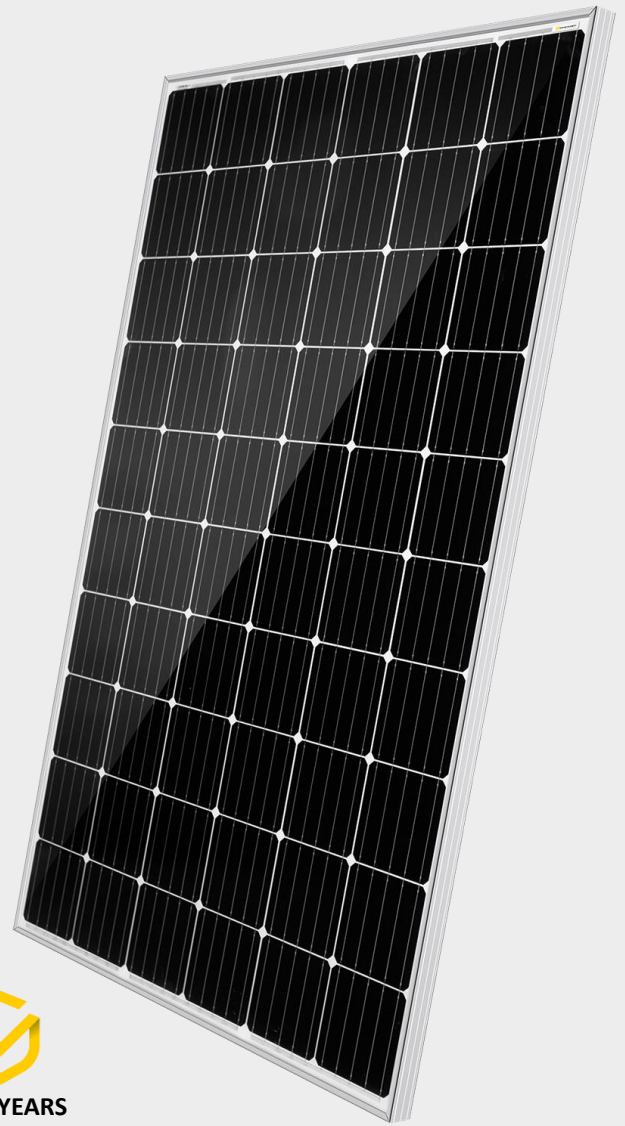
FOR ALL ENVIRONMENTAL CONDITIONS

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



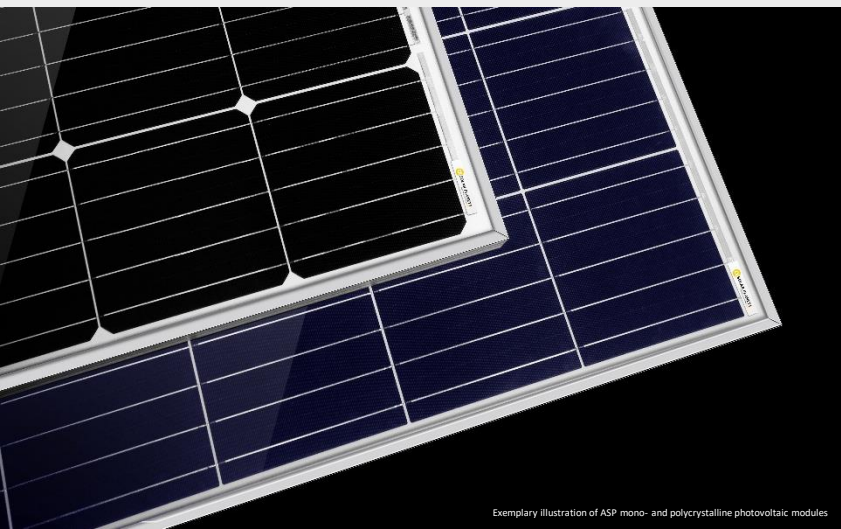
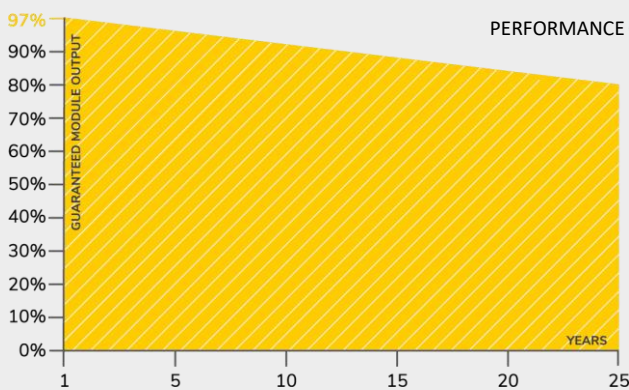
12 YEARS
PRODUCT WARRANTY

Exemplary illustration of ASP M6-60

OUR PERFORMANCE GUARANTEE



25 YEARS
PERFORMANCE GUARANTEE



Exemplary illustration of ASP mono- and polycrystalline photovoltaic modules

CERTIFICATES

SGS
TÜV
SAAR

IEC 61215
IEC 61730
PERIODICAL
INCEPTION

SGS

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

CE

CEC



SOLAR PLANET

Enjoy the quality difference

MonoPower Basic Module

ASP M6-48 Series 220W-235W

TECHNICAL DATA

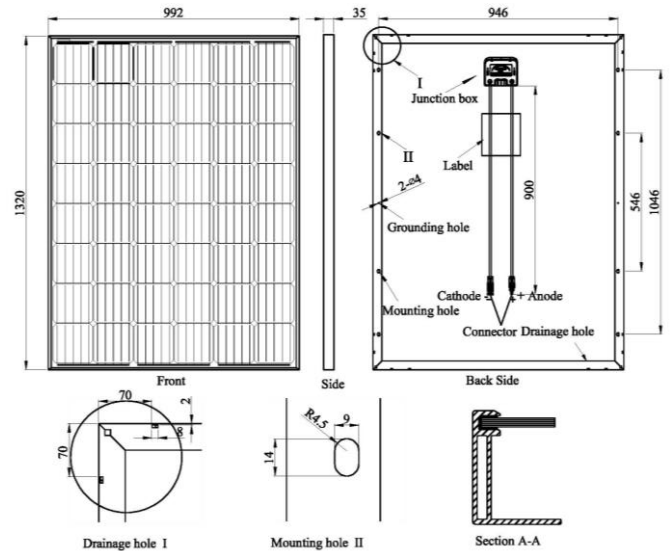
		ASP220M6-48	ASP225M6-48	ASP230M6-48	ASP235M6-48
Maximum power	P _{max} (Wp)	220	225	230	235
Maximum power voltage	V _{mp} (V)	26.01	26.38	26.59	26.83
Maximum power current	I _{mp} (A)	8.46	8.53	8.65	8.77
Open-circuit voltage	V _{oc} (V)	30.72	30.93	31.14	31.34
Short-circuit current	I _{sc} (A)	9.32	9.45	9.51	9.56
Module efficiency	%	16.80	17.18	17.56	17.96
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	48 (6 x 8)
Dimensions	1320 x 992 x 35 mm
Weight	10.8 kg
Junction box	IP67 rated
Output cable	4.0 mm ² , 900 mm
Connector type	MC4 / MC4 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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