

MonoPower

Superior Shingled

ASP M6-72 SG Series 400W-420W

Shingled 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

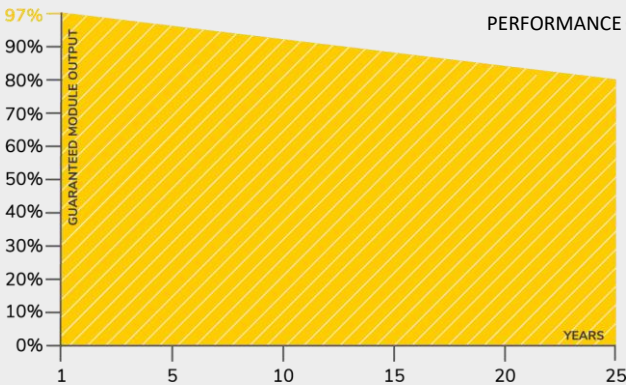
PRODUCT WARRANTY

OUR PERFORMANCE GUARANTEE



25 YEARS

PERFORMANCE GUARANTEE



CERTIFICATES

SGS
TÜV
SAAR

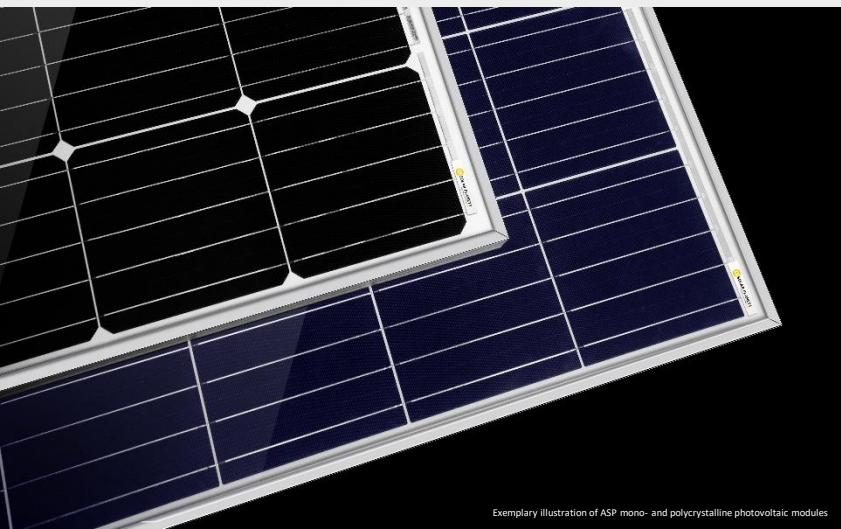
IEC 61215
IEC 61730
PERIODICAL
INCEPTION

SGS

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

CE

CEC



SOLAR PLANET

Enjoy the quality difference

MonoPower Superior Shingled Module

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TECHNICAL DATA

ASP400M6-72

ASP405M6-72

ASP410M6-72

ASP415M6-72

ASP420M6-72

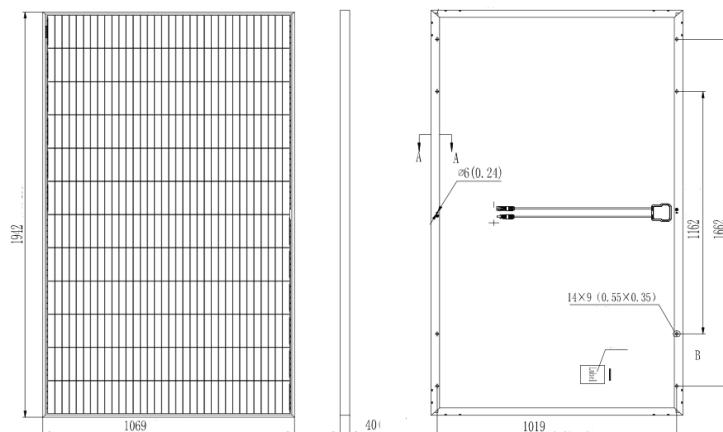
Parameter	Unit	ASP400M6-72	ASP405M6-72	ASP410M6-72	ASP415M6-72	ASP420M6-72
Maximum power	P _{max} (Wp)	400	405	410	415	420
Maximum power voltage	V _{mp} (V)	37.3	37.4	37.5	37.6	37.7
Maximum power current	I _{mp} (A)	10.72	10.83	10.93	11.04	11.14
Open-circuit voltage	V _{oc} (V)	45.2	45.3	45.3	45.4	45.5
Short-circuit current	I _{sc} (A)	11.35	11.39	11.43	11.47	11.53
Module efficiency	%	19.3	19.5	19.7	20.0	20.2
Power tolerance	P _{max} (W)	0 / +5				
Maximum system voltage DC	V	1000 / 1500				
Operating temperature	°C	-40 to +85				
Temperature coefficients of P _{max}	%/°C	-0.34				
Temperature coefficients of V _{oc}	%/°C	-0.27				
Temperature coefficients of I _{sc}	%/°C	0.04				
Nominal operating cell temp. (NOCT)	°C	42 ± 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	Perc monocrystalline silicon cells
No. of cells	72 (6 x 12)
Dimensions	1942 x 1069 x 40 mm
Weight	24 kg
Junction box	IP 67 rated
Output cable	4.0 mm ² , 1200 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 ²
Mechanical load	5400 Pa / 550 kg / m ²

DRAWINGS



PACKING INFORMATION

Packing configuration	52 pcs / double pallet
Loading capacity	624 pcs / 40 HQ
Size / pallet	1980 x 1120 x 2380 mm
Weight	1360 kg / pallet



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