

MonoPower Micro

ASP M5-96 Series 250W-275W

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



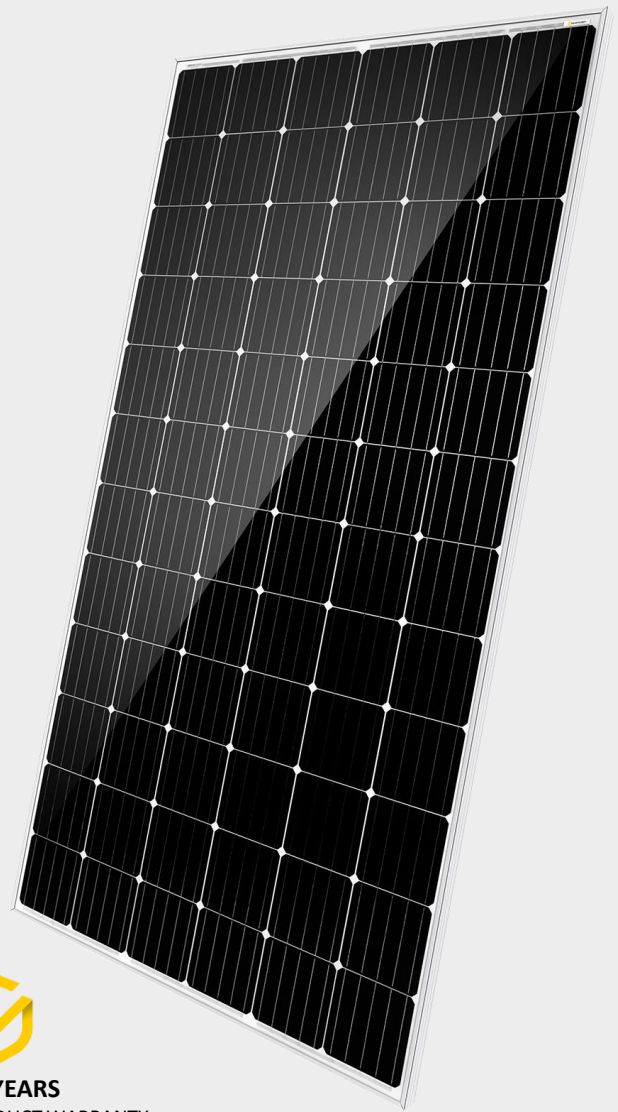
FOR ALL ENVIRONMENTAL CONDITIONS

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



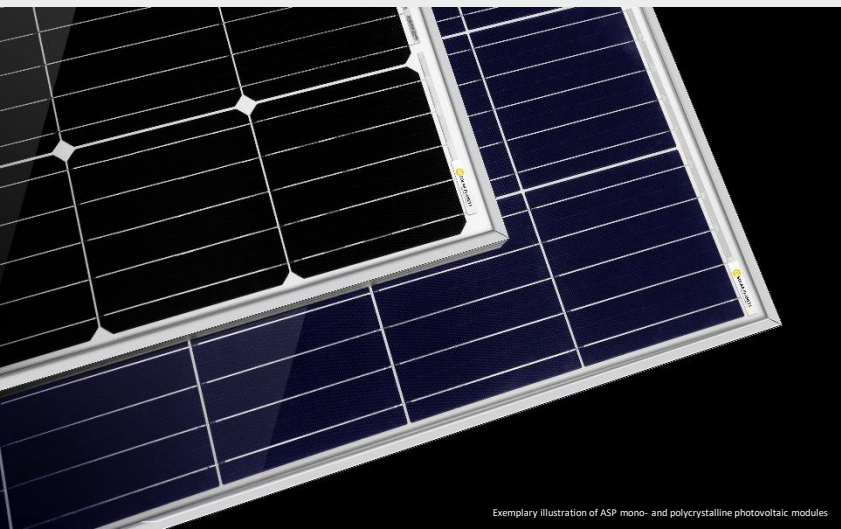
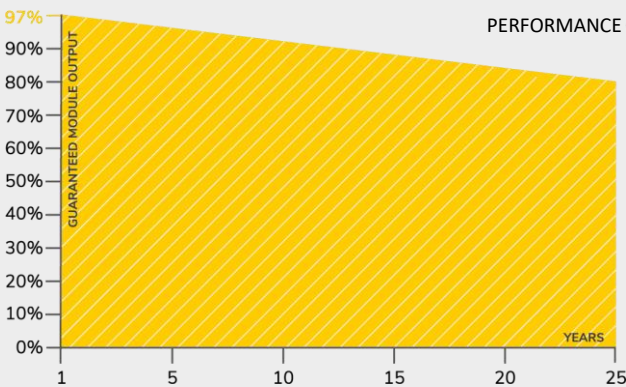
12 YEARS
PRODUCT WARRANTY

Exemplary illustration of ASP M5-72

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 Micro Module

ASP M5-96 Series 250W-275W

TECHNICAL DATA

ASP250M5-96 ASP255M5-96 ASP260M5-96 ASP265M5-96 ASP270M5-96 ASP275M5-96

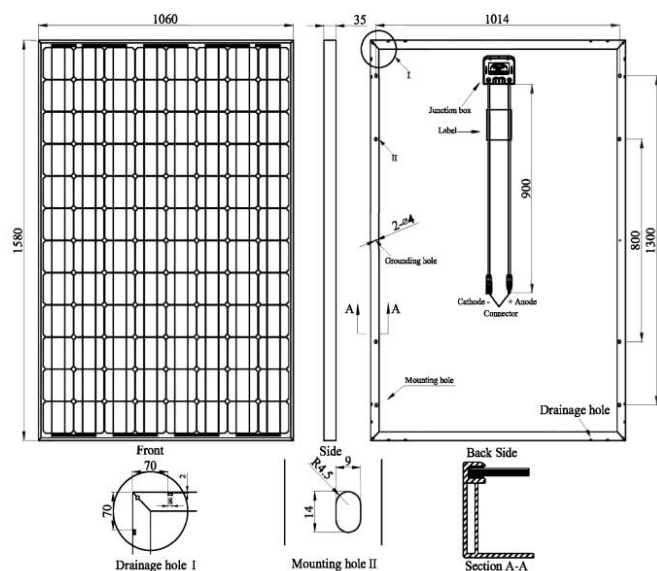
Parameter	Unit	ASP250M5-96	ASP255M5-96	ASP260M5-96	ASP265M5-96	ASP270M5-96	ASP275M5-96
Maximum power	Pmax (Wp)	250	255	260	265	270	275
Maximum power voltage	Vmp (V)	50.02	50.22	50.41	50.60	50.79	50.98
Maximum power current	Imp (A)	5.00	5.08	5.16	5.24	5.32	5.39
Open-circuit voltage	Voc (V)	60.30	60.44	60.59	60.73	60.87	60.02
Short-circuit current	Isc (A)	5.31	5.37	5.44	5.50	5.57	5.62
Module efficiency	%	14.93	15.23	15.52	15.82	16.12	16.42
Power tolerance	Pmax (W)	0/+5					
Maximum system voltage DC	V	1000					
Operating temperature	°C	40 to +85					
Temperature coefficients of Pmax	%/°C	-0.36					
Temperature coefficients of Voc	%/°C	-0.36					
Temperature coefficients of Isc	%/°C	0.06					
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 125 x 125 mm
No. of cells	96 (8 x 12)
Dimensions	1580 x 1060 x 35 mm
Weight	19 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	60 pcs / double pallet
Loading capacity	840 pcs / 40 HQ
Size / pallet	1630 x 1135 x 2420 mm
Weight	1230 kg / pallet



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