

Black Elegance Superior Shingled

ASP M6-72 SGBE Series 400W-410W
Shingled monocrystalline PV-module in Black Design



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

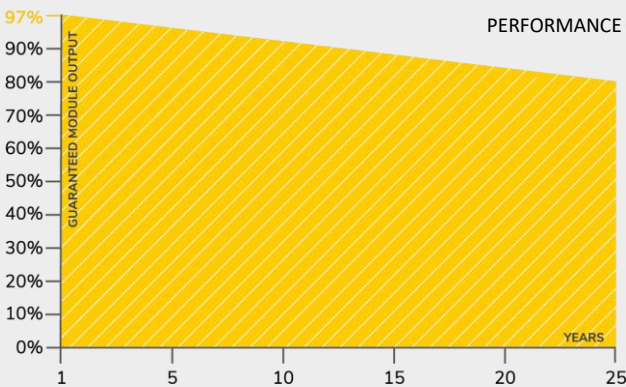


12 YEARS
PRODUCT WARRANTY

OUR PERFORMANCE GUARANTEE



25 YEARS
PERFORMANCE GUARANTEE



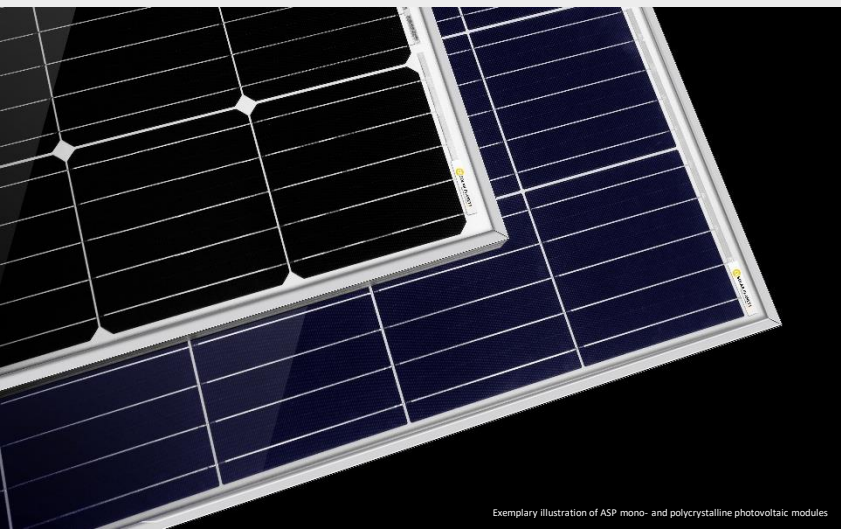
CERTIFICATES



IEC 61215
IEC 61730
PERIODICAL
INCEPTION



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



ALPHA SOLAR PLANET
Enjoy the quality difference

Black Elegance Superior Shingled Module

ASP M6-72 SGBE Series 400W-410W

TECHNICAL DATA

ASP400M6-72

ASP405M6-72

ASP410M6-72

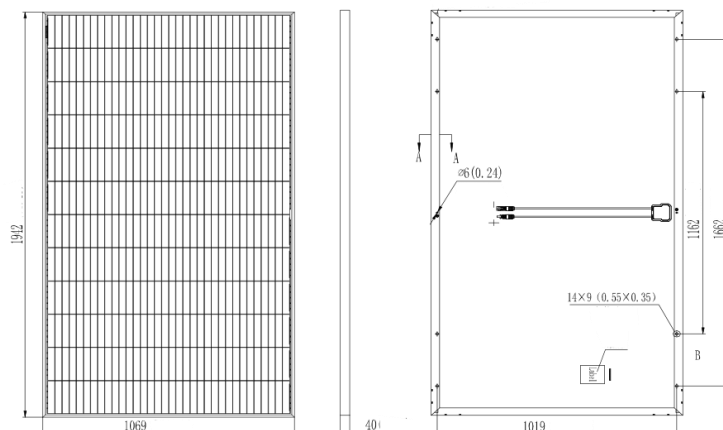
Parameter	Unit	ASP400M6-72	ASP405M6-72	ASP410M6-72
Maximum power	P _{max} (Wp)	400	405	410
Maximum power voltage	V _{mp} (V)	37.3	37.4	37.5
Maximum power current	I _{mp} (A)	10.72	10.83	10.93
Open-circuit voltage	V _{oc} (V)	45.2	45.3	45.3
Short-circuit current	I _{sc} (A)	11.35	11.39	11.43
Module efficiency	%	19.3	19.5	19.7
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	-0.40		
Temperature coefficients of V _{oc}	%/°C	-0.31		
Temperature coefficients of I _{sc}	%/°C	0.05		
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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