

MonoPower Large Half Cells

ASP HM6L-72 Series 405W-415W

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



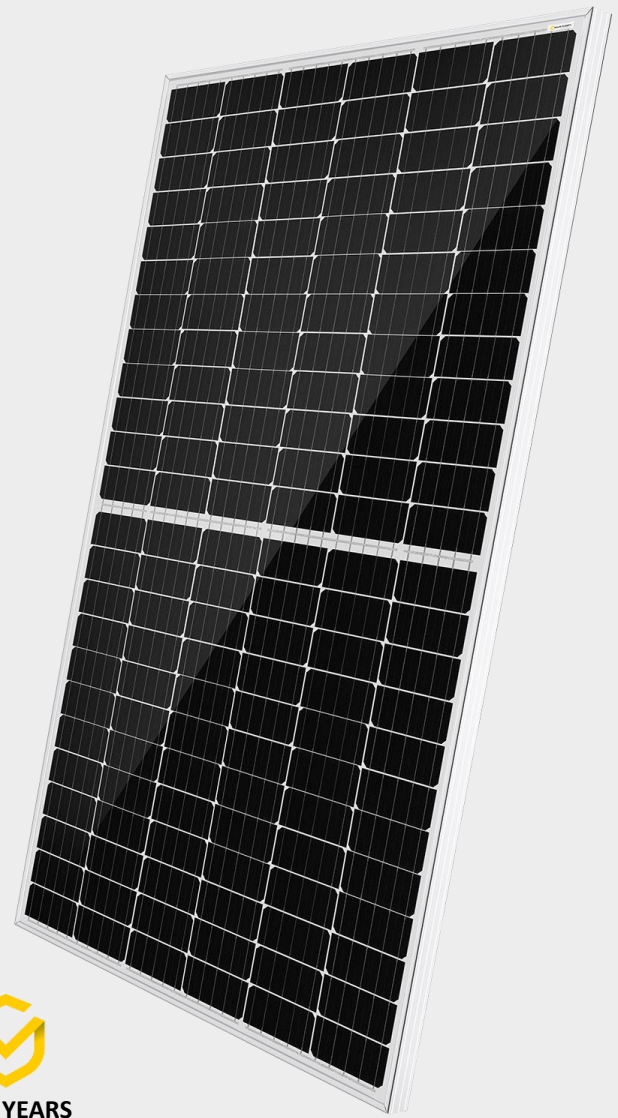
FOR ALL ENVIRONMENTAL CONDITIONS

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

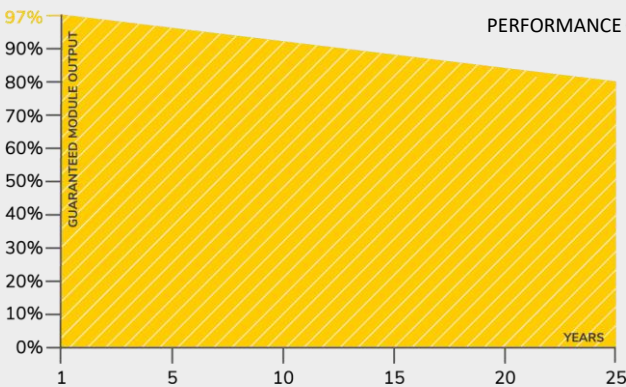


12 YEARS
PRODUCT WARRANTY

OUR PERFORMANCE GUARANTEE



25 YEARS
PERFORMANCE GUARANTEE



CERTIFICATES



IEC 61215
IEC 61730
PERIODICAL
INCEPTION



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



**Quality
Diligence
Durability**



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TECHNICAL DATA

ASP405HM6L-72

ASP410HM6L-72

ASP415HM6L-72

Parameter	Unit	ASP405HM6L-72	ASP410HM6L-72	ASP415HM6L-72
Maximum power	P _{max} (Wp)	405	410	415
Maximum power voltage	V _{mp} (V)	41.59	41.85	42.09
Maximum power current	I _{mp} (A)	9.74	9.80	9.86
Open-circuit voltage	V _{oc} (V)	49.53	49.80	50.51
Short-circuit current	I _{sc} (A)	10.31	10.38	10.44
Module efficiency	%	20.18	20.43	20.68
Power tolerance	P _{max} (W)	0/+5		
Maximum system voltage DC	V	1500		
Operating temperature	°C	-40 to +85		
Temperature coefficients of P _{max}	%/°C	-0.352		
Temperature coefficients of V _{oc}	%/°C	-0.277		
Temperature coefficients of I _{sc}	%/°C	0.04		
Nominal operating cell temp. (NOCT)	°C	44±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.

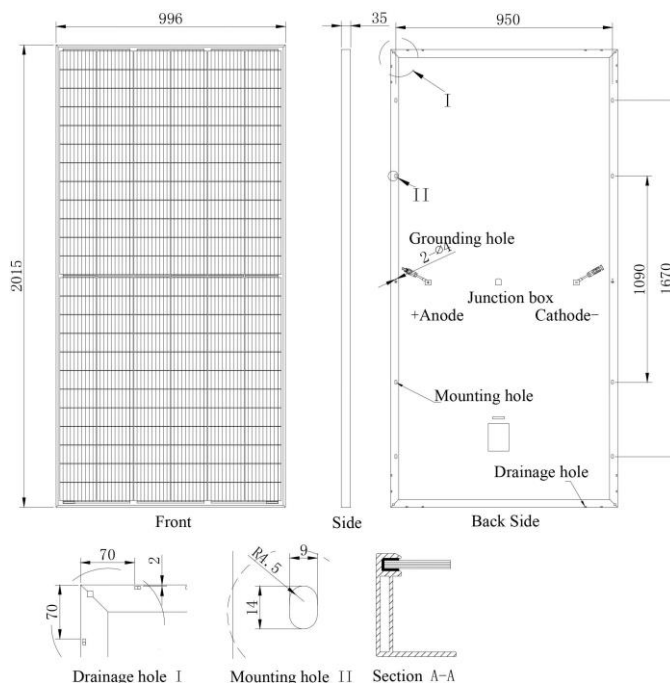
MATERIAL CHARACTERISTICS

Cell type	Monocrystalline 158.75 x 79.38 mm
No. of cells	144 (6 x 24)
Dimensions	2015 x 996 x 35 mm
Weight	21.0 kg
Junction box	IP68 rated
Output cable	4.0 mm ² , 350 mm length
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

PACKING INFORMATION

Packing configuration	64 pcs / double pallet
Loading capacity	704 pcs / 40 HQ
Size / pallet	2045 x 1120 x 2395 mm
Weight	1495 kg / double pallet

DRAWINGS



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