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EnergyPal

Solar Panel Guide Specification Data Sheet

**Alpha Solar Planet GmbH
ASP HM6-96 Series 500W-520W
ASP500HM6-96**

Also available on the web at
EnergyPal.com/alpha-solar-planet-gmbh-solar-panels/asp500hm6-96

MonoPower Large Cells

ASP HM6-96 Series 500W-520W

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



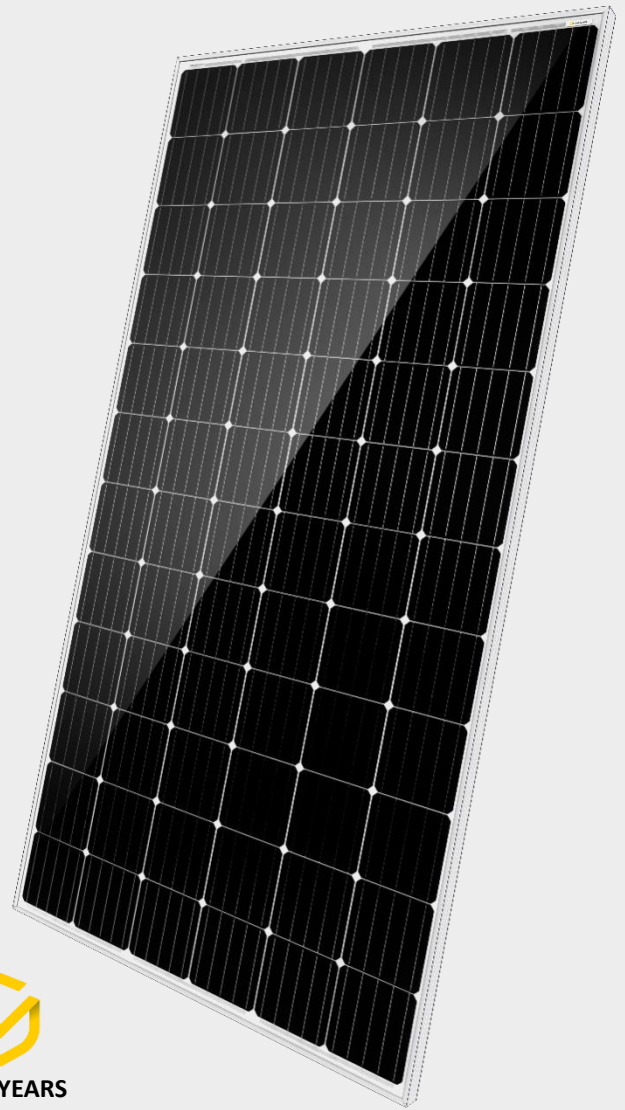
FOR ALL ENVIRONMENTAL CONDITIONS

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

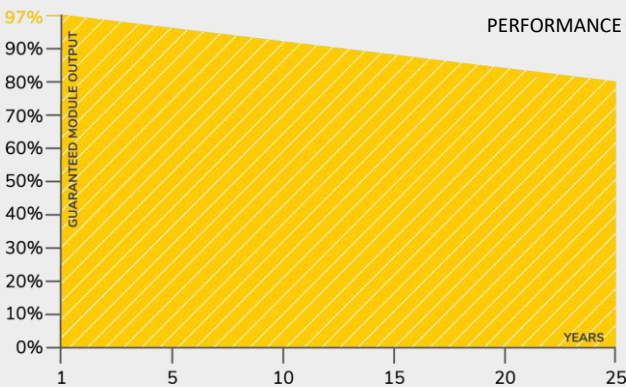


12 YEARS
PRODUCT WARRANTY

OUR PERFORMANCE GUARANTEE



25 YEARS
PERFORMANCE GUARANTEE



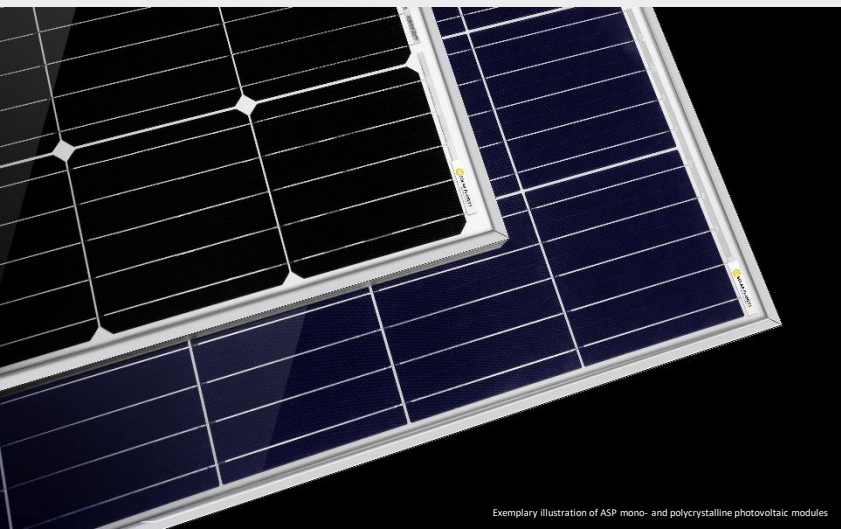
CERTIFICATES



IEC 61215
IEC 61730
PERIODICAL
INCEPTION



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



SOLAR PLANET
Enjoy the quality difference

MonoPower Large Cells

ASP HM6-96 Series 500W-520W

TECHNICAL DATA

| | | ASP500HM6-96 | ASP505HM6-96 | ASP510HM6-96 | ASP515HM6-96 | ASP520HM6-96 |
|--|-----------------------|--------------|--------------|--------------|--------------|--------------|
| Maximum power | P _{max} (Wp) | 500 | 505 | 510 | 515 | 520 |
| Maximum power voltage | V _{mp} (V) | 52.30 | 52.71 | 53.18 | 53.65 | 54.05 |
| Maximum power current | I _{mp} (A) | 9.56 | 9.58 | 9.59 | 9.60 | 9.62 |
| Open-circuit voltage | V _{oc} (V) | 63.59 | 64.17 | 64.74 | 65.31 | 65.81 |
| Short-circuit current | I _{sc} (A) | 10.08 | 10.09 | 10.10 | 10.11 | 10.13 |
| Module efficiency | % | 19.05 | 19.24 | 19.43 | 19.63 | 19.82 |
| 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 | -0.37 | | | | |
| Temperature coefficients of V _{oc} | %/°C | -0.28 | | | | |
| Temperature coefficients of I _{sc} | %/°C | 0.048 | | | | |
| 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.

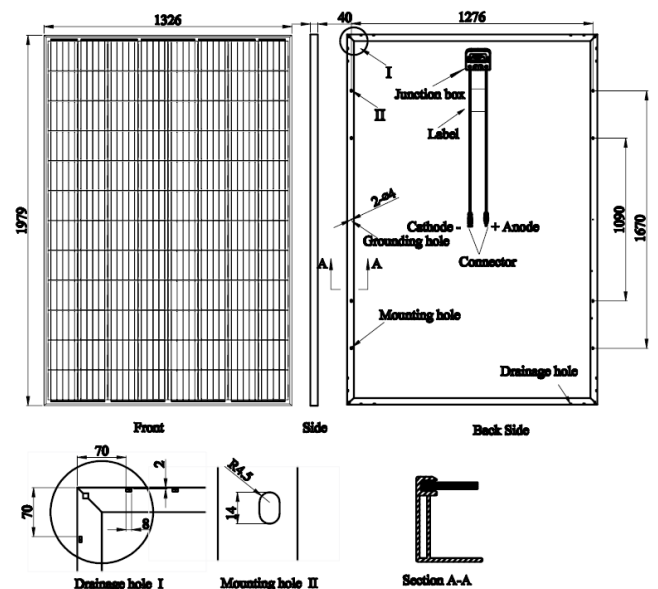
MATERIAL CHARACTERISTICS

| | |
|-----------------|--------------------------------------|
| Cell type | Monocrystalline 158.75 x 158.75 mm |
| No. of cells | 96 (8 x 12) |
| Dimensions | 1979 x 1326 x 40 mm |
| Weight | 30.0 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 28 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 | 27 pcs / double pallet |
| Loading capacity | 297 pcs / 40 HQ |
| Size / pallet | 2010 x 1120 x 1450 mm |
| Weight | 865 kg / pallet |

DRAWINGS



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