

2-Face MonoPower Basic

Double glass without frame

ASP M6-60 BF Series 290W-305W

Bifacial 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



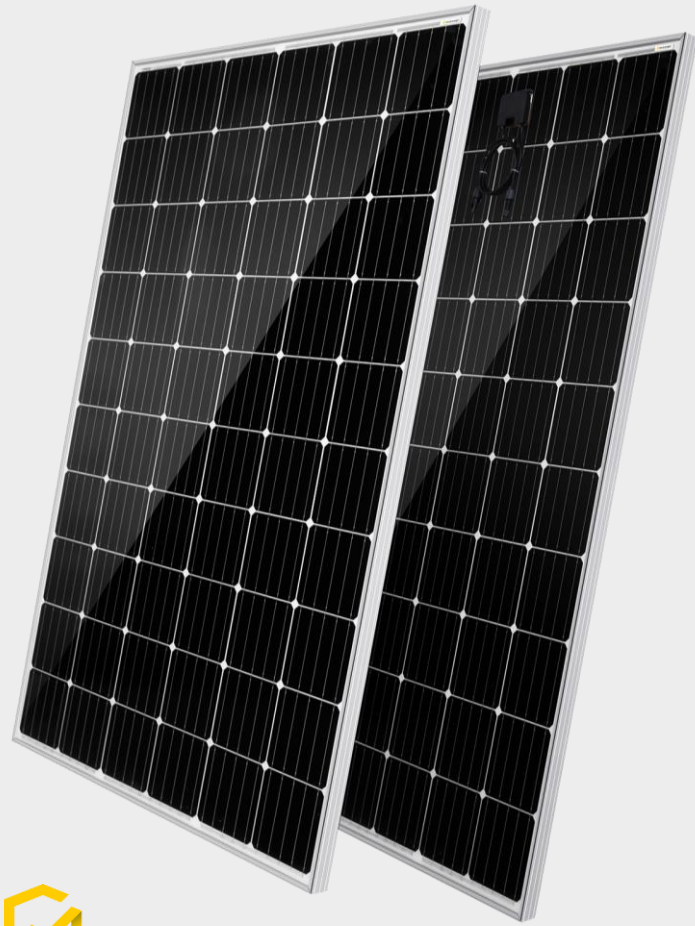
FOR ALL ENVIRONMENTAL CONDITIONS

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

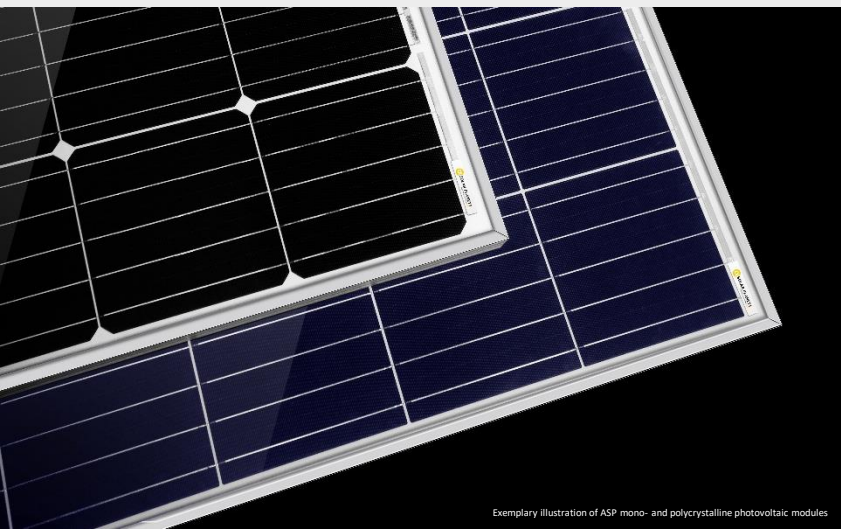
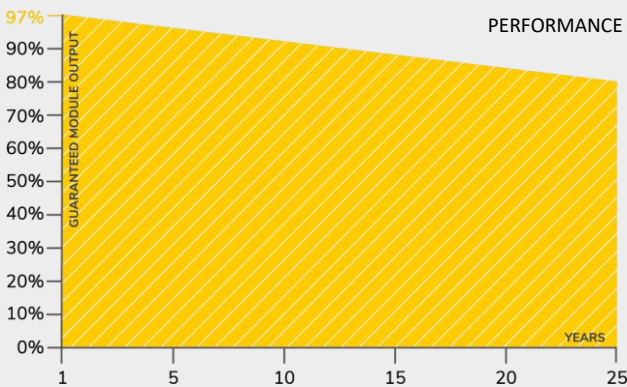
Exemplary illustration of ASP M6-60 BF – Single glass with frame

OUR PERFORMANCE GUARANTEE



25 YEARS

PERFORMANCE GUARANTEE



Exemplary illustration of ASP mono- and polycrystalline photovoltaic modules

CERTIFICATES



IEC 61215
IEC 61730
PERIODICAL
INCEPTION



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



SOLAR PLANET

Enjoy the quality difference

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Double glass without frame

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TECHNICAL DATA

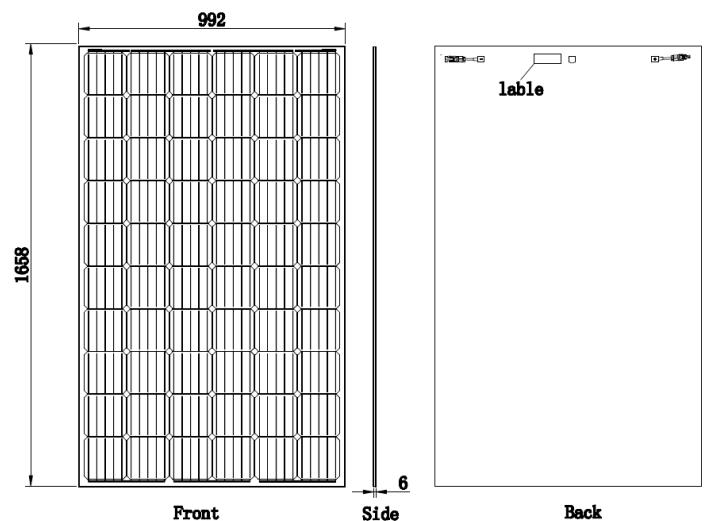
| | | ASP290M6-60 | ASP295M6-60 | ASP300M6-60 | ASP305M6-60 |
|----------------------------------------------|-----------------------|-------------|-------------|-------------|-------------|
| Maximum power | P _{max} (Wp) | 290 | 295 | 300 | 305 |
| Maximum power voltage | V _{mp} (V) | 33.82 | 34.37 | 34.91 | 35.45 |
| Maximum power current | I _{mp} (A) | 8.57 | 8.58 | 8.59 | 8.60 |
| Open-circuit voltage | V _{oc} (V) | 38.60 | 38.70 | 38.80 | 39.15 |
| Short-circuit current | I _{sc} (A) | 9.14 | 9.15 | 9.16 | 9.24 |
| Module efficiency | % | 17,63 | 17,94 | 18,24 | 18,54 |
| 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 | -0.436 | | | |
| Temperature coefficients of V _{oc} | %/°C | -0.325 | | | |
| Temperature coefficients of I _{sc} | %/°C | 0.054 | | | |
| 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 CHARACTERISICS

| | |
|-----------------|-----------------------------------------------------|
| Cell type | Bifacial monocrystalline 156.75 x 156.75 mm |
| No. of cells | 72 (6 x 12) |
| Dimensions | 1658 x 992 x 6 mm (J-box not included) |
| Weight | 23.2 kg |
| Front glass | 2.5 mm tempered AR glass |
| Encapsulant | POE |
| Back glass | 2.5 mm tempered glass / 2.5 mm ceramic coated glass |
| Junction box | IP68 rated (three bypass diodes) |
| Output cable | 4.0 mm ² , 300 mm length |
| Connector type | QC4. 10-35 |
| Wind load | 2400 Pa / 244 kg / m ² |
| Mechanical load | 5400 Pa / 550 kg / m ² |

DRAWINGS



PACKING INFORMATION

| | |
|-----------------------|------------------------|
| Packing configuration | 66 pcs / double pallet |
| Loading capacity | 858 pcs / 40 HQ |
| Size / pallet | 1710 x 1140 x 2264 mm |
| Weight | 1623 kg / pallet |



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