

# MonoPower Basic

ASP M6-60 Series 280W-295W

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



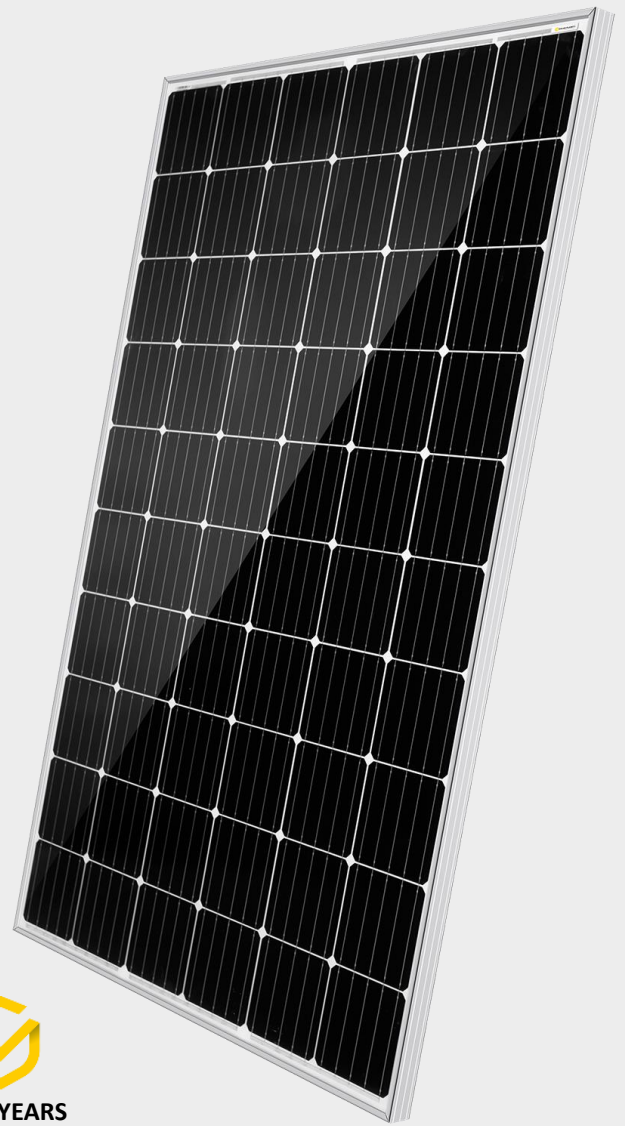
## FOR ALL ENVIRONMENTAL CONDITIONS

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

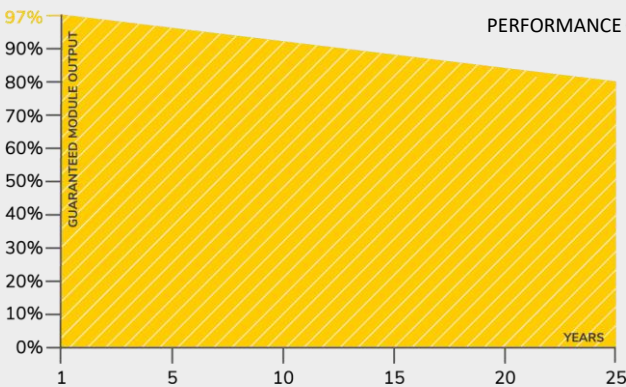


**12 YEARS**  
PRODUCT WARRANTY

## OUR PERFORMANCE GUARANTEE



**25 YEARS**  
PERFORMANCE GUARANTEE



## CERTIFICATES

SGS  
**TÜV**  
SAAR

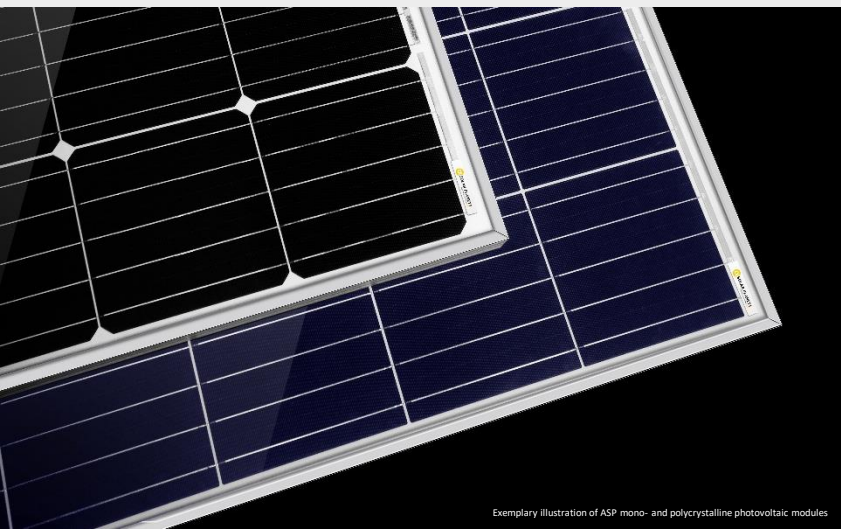
IEC 61215  
IEC 61730  
PERIODICAL  
INCEPTION

**SGS**

PID RESISTANT  
SALT MIST RESISTANT  
SAND RESISTANT  
CORROSIVE GAS (NH<sub>3</sub>)

**CE**

**CEC**



**SOLAR PLANET**  
Enjoy the quality difference

# MonoPower Basic Module

ASP M6-60 Series 280W-295W

## TECHNICAL DATA

|  |                       | ASP280M6-60 | ASP285M6-60 | ASP290M6-60 | ASP295M6-60 |
|--|-----------------------|-------------|-------------|-------------|-------------|
| Maximum power                                | P <sub>max</sub> (Wp) | 280         | 285         | 290         | 295         |
| Maximum power voltage                        | V <sub>mp</sub> (V)   | 31.92       | 32.34       | 32.76       | 33.17       |
| Maximum power current                        | I <sub>mp</sub> (A)   | 8.76        | 8.81        | 8.85        | 8.89        |
| Open-circuit voltage                         | V <sub>oc</sub> (V)   | 38.52       | 38.73       | 38.94       | 39.14       |
| Short-circuit current                        | I <sub>sc</sub> (A)   | 9.44        | 9.49        | 9.52        | 9.57        |
| Module efficiency                            | %                     | 17.10       | 17.41       | 17.71       | 18.02       |
| Power tolerance                              | P <sub>max</sub> (W)  |             | 0/+5        |             |             |
| Maximum system voltage DC                    | V                     |             | 1000        |             |             |
| Operating temperature                        | °C                    |             | 40 to +85   |             |             |
| Temperature coefficients of P <sub>max</sub> | %/°C                  |             | -0.38       |             |             |
| Temperature coefficients of V <sub>oc</sub>  | %/°C                  |             | -0.29       |             |             |
| Temperature coefficients of I <sub>sc</sub>  | %/°C                  |             | 0.05        |             |             |
| Nominal operating cell temp. (NOCT)          | °C                    |             | 45±2        |             |             |

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m<sup>2</sup> with spectrum AM 1.5 and a cell temperature of 25°C.

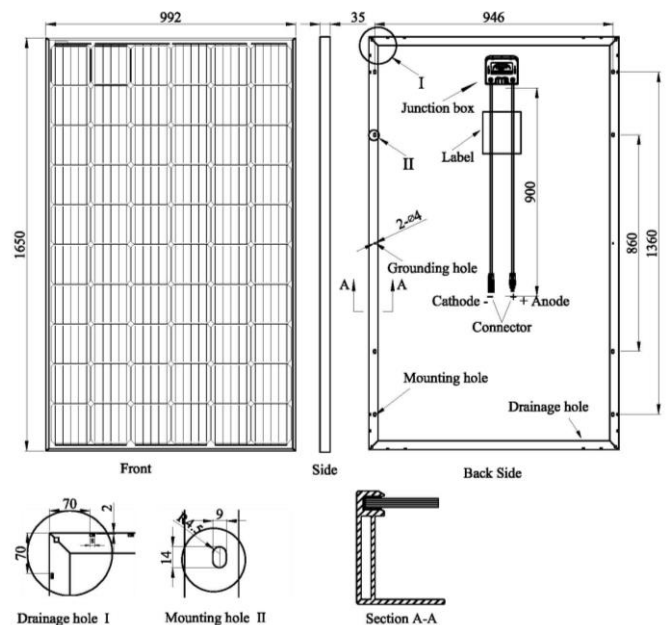
## MATERIAL CHARACTERISTICS

|                 |                                    |
|-----------------|------------------------------------|
| Cell type       | Monocrystalline 156.75 x 156.75 mm |
| No. of cells    | 60 (6 x 10)                        |
| Dimensions      | 1650 x 992 x 35 mm                 |
| Weight          | 17,5 kg                            |
| Junction box    | IP67 rated                         |
| Output cable    | 4.0 mm <sup>2</sup> , 900 mm       |
| Connector type  | MC4 / MC4 compatible               |
| Hail resistance | Max. Ø 25 mm, at 23 m/s            |
| Wind load       | 2400 Pa / 244 kg / m <sup>2</sup>  |
| Mechanical load | 5400 Pa / 550 kg / m <sup>2</sup>  |

## PACKING INFORMATION

|                       |                        |
|-----------------------|------------------------|
| Packing configuration | 64 pcs / double pallet |
| Loading capacity      | 896 pcs / 40 HQ        |
| Size / pallet         | 1685 x 1135 x 2390 mm  |
| Weight                | 1220 kg / pallet       |

## DRAWINGS



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