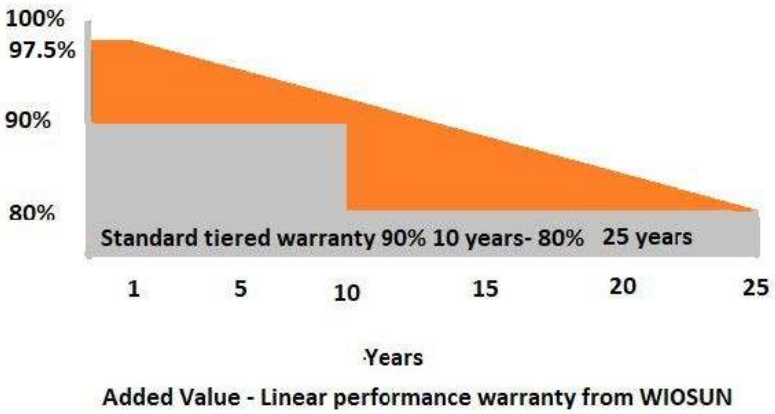
PHOTOVOLTAIC MODULE

# MP Series



GERMAN BRAND




Added Value - Linear performance warranty from WIOSUN

## GERMAN QUALITY STANDARDS

All WIOSUN® photovoltaic modules are subject to our strict quality standards. To ensure this, we continually monitor all manufacturers and suppliers worldwide that deliver products to WIOSUN®. All of our 25 year know how together with selected individual components in premium quality have gone into them. These modules are also particularly suitable for use in hot regions due to their high degree of laminated membrane integration.

## SUITABLE FOR EVERY WEATHER CONDITION

The newly developed and strengthened 35 millimetre hollow chamber frame gives our modules extremely high stability – in all weather conditions.

## 10 YEAR WARRANTY ON OUR PRODUCTS

With the 10 year product warranty on the WIOSUN® module series, as well as a 25 year performance guarantee, WIOSUN® photovoltaic modules are among the most reliably calculable components for efficient PV systems.

## THE PERFORMANCE OPTIMIZER OF SOLAR EDGE

You can get our WIOSUN® modules with the performance optimizer from Solar Edge or as a standard version.

## CERTIFICATES

IEC 61215, IEC 61730 (Ongoing)
ISO 9001:2015
Jordan Quality Mark

WIOSUN® Jordan
Aqaba Special Economic Zone (ASEZA)
Dead Sea Hi-Way // Aqaba 77110 Amman

# PHOTOVOLTAIC MODULE MP Series

## General

| | |
|---|---|
| Cells | 60 (perc 5BB) monocrystalline |
| Frame | Anodized Aluminum |
| Connection | Plastics, IP67, 3 bypass-diodes |
| Connector | PC1 or TYCO-Electronics PV4-S |

| | |
|---|---|
| Cellsize | 158.75 x 158.75 mm |
| Front glass | 3.2 mm Solar ARC glass |
| Wire | 4 mm² Solar cable, 1000 mm length |

## Electrical Data (STC*)

| MODULE TYPE | | | MP 315 | MP 320 | MP 325 |
|---|---|---|---|---|---|
| Nominal Power | $P_{MPP}$ | Wp | 315 | 320 | 325 |
| MPP-Voltage | $U_{MPP}$ | V | 33.0 | 33.2 | 33.4 |
| MPP-Current | $I_{MPP}$ | A | 9.55 | 9.64 | 9.74 |
| Open-circuit voltage | $U_{OC}$ | V | 40.2 | 40.4 | 40.6 |
| Short-circuit current | $I_{SC}$ | A | 9.97 | 10.06 | 10.15 |
| Module Efficiency | η% | | 19.40 | 19.71 | 20.02 |

## Temperature coefficients

| | |
|---|---|
| Current temperature coefficient | + 0.0465 % / °C |
| Voltage emperature coefficient | - 0.2837 % / °C |
| Power temperature coefficient | - 0.3740 % / °C |
| NMOT | 42.3°C±2°C |

## Limits

| | |
|---|---|
| System voltage max. | 1500 V |
| Reverse current max. | 16 A |
| Operating temperature | - 40 °C ~ 85 °C |
| Maximum load | 5400 Pa/m² = 550 kg/m² (75 lbs/ft²) |
| Safety class | II |

## Warranty

| | |
|---|---|
| Product warranty | 10 years |
| Performance warranty | linear 25 years |

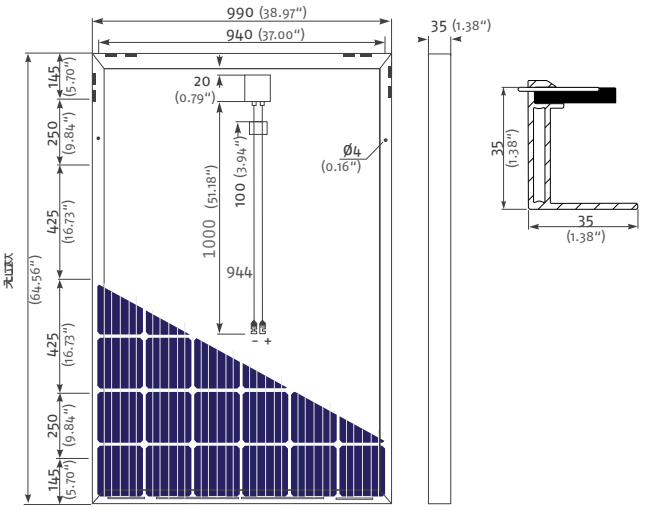
## Mechanical Data

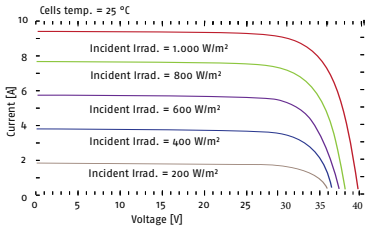
| | |
|---|---|
| Dimensions | 1640 x 990 x 35 mm ±1 mm |
| Weight | 18 kg \| 39.68 lbs |

## Packing configuration

| | |
|---|---|
| Modules/Cardboard | 30 |
| Cardboard/Container | 28 |
| Modules/Container | 840 |
| Pallet dimensions | 170 x 116 x 120cm (LxWxH) 600 kg |

## Technical drawing




## Your WIOSUN® Dealer

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**Fax : +962(0)32034332**

**P.O. Box : 1288 Aqaba 77110 Jordan**

**Email : info@wiosun.co**

**WEB: WWW.WIOSUN.CO**

All figures are according to DIN EN 50380.

At a low irradiation intensity of 200 W/m² (Am 1.5, cell temperature 25 °C) 96 % of the STC module efficiency will be archived.

* Standard Test conditions (1000W/m², Am 1.5, cell temperature 25°C), Measurement tolerance ±3% .

** Nominal Module Operating Temperature (800 W/m², Am 1.5, wind speed 1 m/s, ambient temperature 25 °C).

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