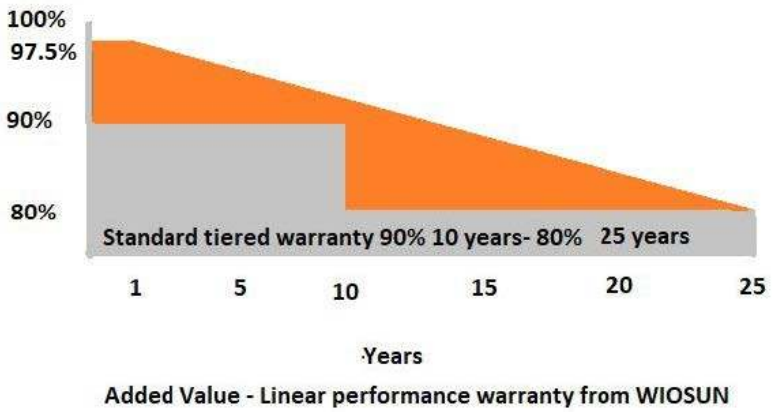
PHOTOVOLTAIC MODULE

MP Series



GERMAN BRAND

TUV AUSTRIA HELLAS EN ISO9001:2015



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 millimeter 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.

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	72 (perc 5BB) monocrystalline
Frame	Anodized Aluminum
Connection	Plastics, IP65, 3 bypass-diodes
Connector	PC1 or TYCO-Electronics PV4-S

Cell size	158.75 x 158.75mm
Front glass	3.2 mm Solar ARC glass
Cable	4 mm² Solar Cable, 1000 or 1200mm length

Electrical Data (STC*)

MODULE TYPE			MP380	MP 385
Nominal Power	P_{MPP}	Wp	380	385
MPP-Voltage	U_{MPP}	V	40	40.15
MPP-Current	I_{MPP}	A	9.5	9.6
Open-circuit voltage	U_{OC}	V	48.6	48.9
Short-circuit current	I_{SC}	A	9.86	9.93
Modulefficiency	η%		19.6	19.86

Temperature coefficients

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

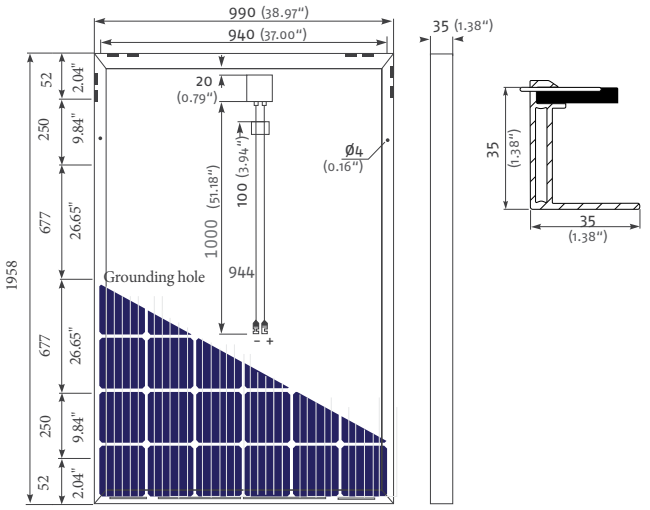
Limits

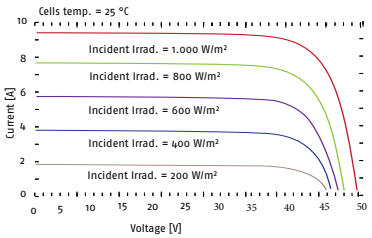
System voltage max.	1500 V
Reverse current max.	16 A
Operating temperature	- 40 °C ~ 85 °C
Maximum load	5400 Pa/m² = 550 kg/m² (75 lbs/ft²)
Safety class	II

Warranty

Product warranty	10 years
Performance warranty	linear 25 years

Technical drawing





Mechanical Data

Dimensions	1958 x 990 x 35 mm ±1 mm
Weight	22.5 kg | 49.6lbs

Packing configuration

Modules/Cardboard	30
Modules/Container(20')	260
Modules/Container(40')	630
Pallet dimensions	200 x 116 x 120cm (LxWxH)

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).

Your WIOSUN® Dealer

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