



PHOTOVOLTAIC MODULE

MP Series

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.

10YEAR 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

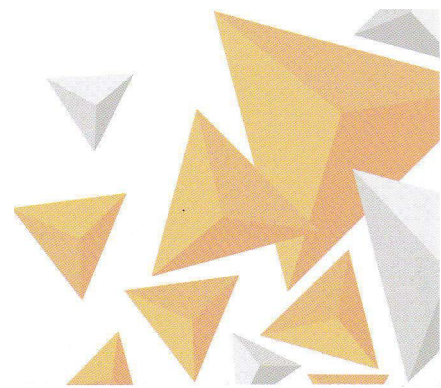
IEC 61215, IEC 61730 (Ongoing)

ISO 9001:2015

Jordan Quality Mark



Added Value - Linear performance warranty from WIOSUN



General

Cells	60 (perc 5BB) monocrystalline	Cellsize	158.75 x 158.75 mm
Frame	Anodized Aluminum	Front glass	3.2mm Solar ARC glass
Connection	Plastics, IP67, 3 bypass-diodes	Wire	4 mm ² Solar cable, 1000 mm length
Connector	PC1 or TYCO-Electronics PV4-S		

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 temperature coefficient	- 0.2837 %/°C
Power temperature coefficient	- 0.3740 %/°C
NMOT	42.3°C ± 2°C

Limits

System voltage max.	1500V
Reverse current max.	16 A
Operating temperature	- 40 °C ~ 85 °C
Maximum load	5400 Pa/m ² = 550 kg/m ² (75 lbs/ft ²)
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

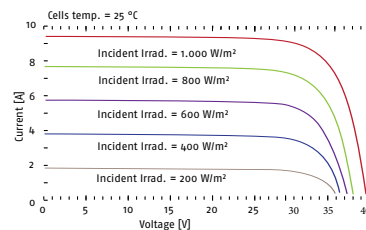
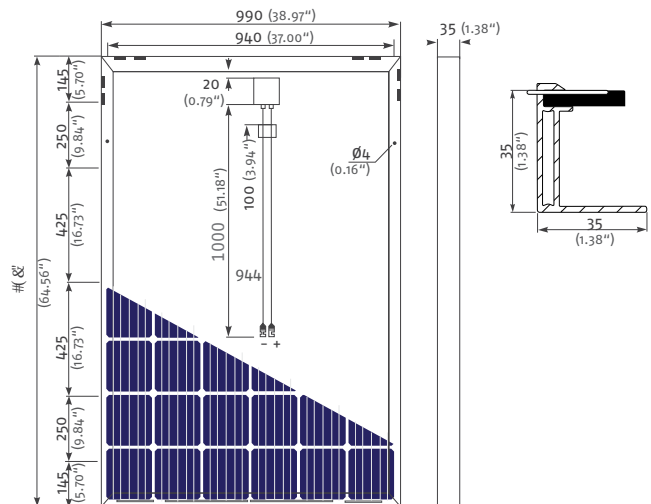
All figures are according to DIN EN 50380.

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).

Technical drawing



Your WIOSUN® Dealer

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