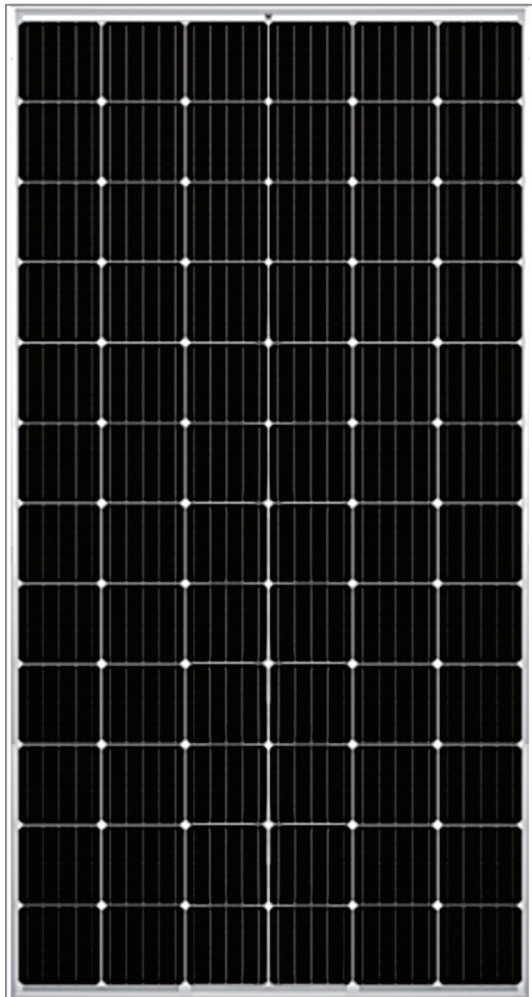


PERC
MONOCRYSTALLINE
SOLAR MODULE TW360MWP-72



Advantages



Higher output power

With backside passivation in PERC cell, internal backside reflection of light is enhanced, and backside composition is reduced to improve cell efficiency and module power.



1,500V high-voltage system

Be capable for connecting more modules in series, and reduce number of power station cables and combiner boxes; increase space utilization and cut system cost.



Better performance in low light environment

Higher generating capacity than common module in low light irradiance environments such as in the morning, evening and rainy days



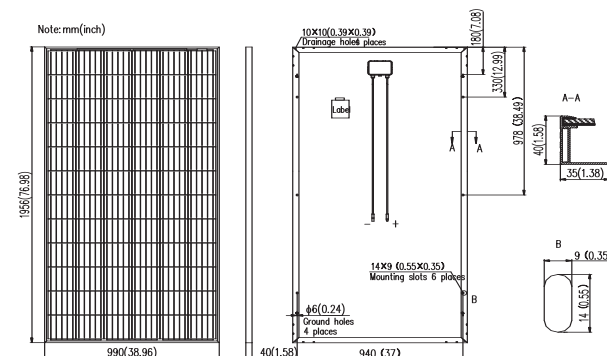
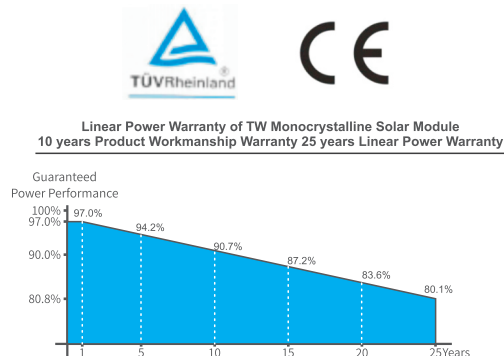
Strict quality control

Advanced full-automatic production line, 100% EL during process and ex-factory; strict quality inspection control, 0~+5% positive power output; optimized current grading; all these ensure generating performance matching of system-end modules and high generation output of modules



Excellent reliability and weather resistance, longer service life

Weather-resistant package material, anti-PID solar cell, waterproof IP67 junction box and special cables for solar PV; all these functions protect modules against temperature difference between day and night, seasonal change and abnormal wet and cold weather, and provide longer service life.



MECHANICAL CHARACTERISTICS

Dimensions	1956×990×40mm (L×W×H)
Weight	27.5kg
Front Glass	White toughened safety glass, 4.0mm
Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Cells	72pcs 156.75×156.75mm Polycrystalline solar 5BB PERC cells
Backsheet	Composite film
Frame	Anodized aluminum profile
Junction Box	Rated current:13A, IP67, TUV&UL
Cable	Length 900mm, 1×4mm²
Connector	Compatible with MC4

TEMPERATURE CHARACTERISTICS

NOCT	45°C(±2°C)
Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of Isc	0.033%/°C
Temperature Coefficient of Pm	-0.39%/°C

MAXIMUM RATINGS

Maximum System Voltage [V]	DC 1000(IEC) DC1000(UL)
Series Fuse Rating [A]	20
Maximum Surface Load Capacity [Pa]	5,400
Temperature Range [°C]	− 40 to + 85
Withstanding Hail	Maximum diameter of 45 mm with impact speed of 30.7 m·s ^{−1}

ELECTRICAL CHARACTERISTICS AT STANDARD TEST CONDITIONS(STC)

Module Type: TW 360 MWP-72	375	370	365	360	355	350	345	340
Maximum Power-Pm [W]	375	370	365	360	355	350	345	340
Open Circuit Voltage-Voc [V]	48.0	47.9	47.7	47.5	47.4	47.3	47.1	46.9
Short Circuit Current-Isc [A]	9.84	9.77	9.70	9.63	9.56	9.49	9.42	9.35
Maximum Power Voltage-Vm [V]	40.2	40.1	39.9	39.6	39.3	39.1	38.8	38.6
Maximum Power Current-Im [A]	9.33	9.23	9.15	9.09	9.03	8.95	8.89	8.81
Module Efficiency-η [%]	19.4	19.1	18.8	18.6	18.3	18.1	17.8	17.6

ELECTRICAL CHARACTERISTICS AT NOCT

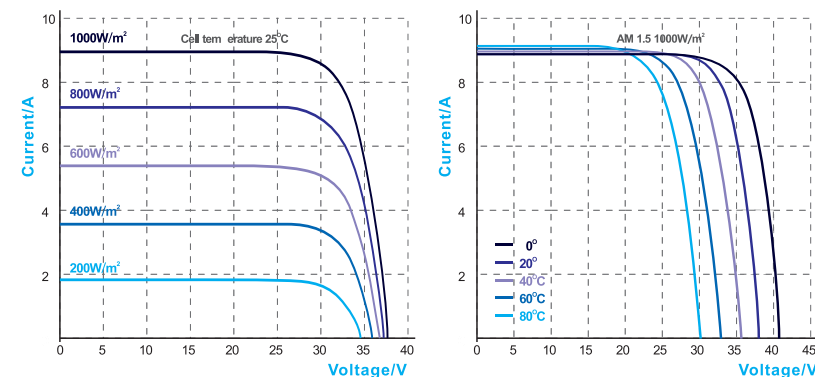
Maximum Power-Pm [W]	277	273	269	266	262	258	254	251
Open Circuit Voltage-Voc [V]	44.0	43.9	43.7	43.5	43.4	43.3	43.1	43.0
Short Circuit Current-Isc [A]	7.92	7.87	7.81	7.75	7.70	7.64	7.59	7.53
Maximum Power Voltage-Vm [V]	36.8	36.7	36.5	36.3	36.0	35.8	35.5	35.3
Maximum Power Current-Im [A]	7.51	7.43	7.37	7.32	7.27	7.21	7.16	7.09

Note: 1. Standard Test Conditions [STC]: irradiance 1000 W/m²; AM 1.5; ambient temperature 25°C according to EN 60904-3;

2. Normal Operating Cell Temperature (NOCT): Irradiance 800W/ m²; wind speed 1m/s ,cell temperature 45°C; ambient temperature 20°C.

3. Tolerance of P_m : $0 \sim +5\%$, Measuring uncertainty of power: $\pm 3\%$. Performance deviation of V_{oc} [V], I_{sc} [A], V_m [V] and I_m [A]: $\pm 5\%$.

IV CURVE



OTHER CHARACTERISTICS

Packaging	30 pcs/box; 840 pcs/40' container; 1440 pcs/flat car
Warranty	10 year Product Workmanship Warranty 25 year Linear Power Warranty

* **Declaration:** With the technical progress and product updates, there exists a deviation between the technical parameter of the TW Solar's late products and the technical parameter in this specification, The TW Solar reserves the right to adjust the technical parameter at any time without notifying the customers, TW Solar has the ultimate power of interpretation to this technical specification.