

MPP6-60 CELL



18.37%

PANEL EFFICIENCY

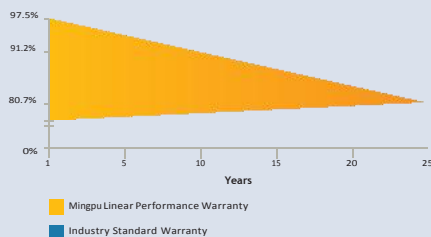
10 YEAR

PRODUCT WARRANTY

0 - 3W

POWER TOLERANCE

25 Years Linear Warranty



www.mpsolarlife.com

Specification

MP Solar Panel

Independently tested for proven product quality and long-term reliability. Millions of PV systems installed worldwide demonstrate MP industry leadership.



Durability

Durable PV modules, independently tested for harsh environmental conditions such as exposure to salt mist, ammonia and known PID risk factors.



Advanced Glass

Our high-transmission glass features a unique anti-reflective coating that directs more light on the solar cells, resulting in a higher energy yield.



Extended Size

Our large-format module facilitates system-level cost savings through reduced handling and installation times.



PID Resistant

Tested in accordance to the standard ISO9001-2008, our PV modules have demonstrated resistance against PID (Potential Induced Degradation), which translates to security for your investment.

Jiangsu MP New Energy Co.,Ltd

Jiangsu MP New Energy Co., Ltd, specializes in producing solar panels as well as on/off grid solar power system.

MPP6-- 60 CELL SERIES

ELECTRICAL PERFORMANCE

Electrical parameters at Standard Test Conditions (STC)

Module type			P _{max}				
			270	280	285	290	300
Power output	P _{max}	W	270	280	285	290	300
Power output tolerances	P _{max}	W					
Module efficiency	η _m	%	16.51	17.12	17.42	17.86	18.37
Voltage at P _{max}	V _{mp}	V	31.21	31.88	32.13	32.56	33.24
Current at P _{max}	I _{mp}	A	8.65	8.78	8.91	8.92	9.03
Open-circuit voltage	V _{oc}	V	38.3	38.85	39.05	39.63	40.41
Short-circuit current	I _{sc}	A	9.16	9.33	9.53	9.56	9.7

STC: 1000W/m² irradiance, 25°C module temperature, AM1.5g.

THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	44 +/- 2
Temperature coefficient of P _{max}	β _i	%/°C	-0.39
Temperature coefficient of V _{oc}	β _{Voc}	%/°C	-0.29
Temperature coefficient of I _{sc}	β _{Isc}	%/°C	0.048

OPERATING CONDITIONS

Max. system voltage	1000VDC or 1500VDC
Max. series fuse rating	20A
Limiting reverse current	20A
Operating temperature range	-40°C to 85°C
Max. static load, front (e.g., snow)	5400Pa
Max. static load, back (e.g., wind)	2400Pa
Max. hailstone impact (diameter / velocity)	25mm / 23m/s

CONSTRUCTION MATERIALS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Cell (quantity / material / dimensions / number of busbars)	(6*10 = 60 / Poly silicon / 156.75mm x 156.75mm / 5BB
Frame (material)	Silvery, anodized aluminum alloy
Junction box (protection degree)	IP67
Cable (length / cross-sectional area)	TUV, 1000mm / 4mm ²
Plug connector	MC4

- Due to continuous innovation, research and product improvement, the specifications in this product information sheet are subject to change without prior notice. The specifications may deviate slightly and are not guaranteed.
- The data do not refer to a single module and they are not part of the offer, they only serve for comparison to different module types.

CERTIFICATION



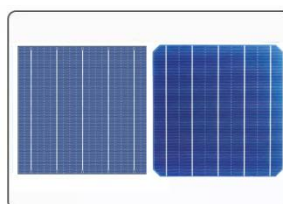
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GENERAL CHARACTERISTICS

Dimensions(L/W/H)	1640mm/992mm/35mm/40mm
Weight	18.6kg

PACKAGING SPECIFICATIONS

Number of modules per pallet	30
Number of pallets per 20' container	12
Number of modules per 20' container	360
Number of pallets per 40' container	28
Number of modules per 40' container	840



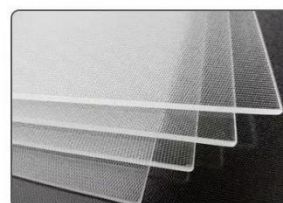
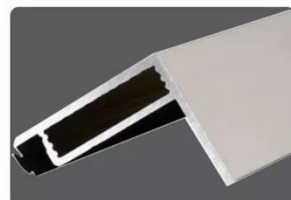
Anti-PID
High conversion efficiency
No color difference A grade

Anti-PID
Thickness 0.5mm
Excellent transmittance, ensure high efficiency of PV components;
Excellent aging resistance, low yellowish change;
Less bubble for solar cell encapsulation



TUV solar connector pv mc4 junction box
ip67
Temperature Range :
-40~+90°C(PE Cable -40~+85)
Protection class: II
Flame class: UL94-V0

Anti-corrosion, oxidation resistance;
Strength and solid and strong;
Strong tensile properties;
Life 30 - More than 50 years.
Silver or black frames are optional



Low iron ultra clear tempered glass with 93% transmittance can resist the hail effectively
Thickness=3.2mm
Antireflective glass
Service life is as long as 25 years



Warning: Read the Installation and User Manual in its entirety before handling, installing, and operating SPV Solar modules.

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