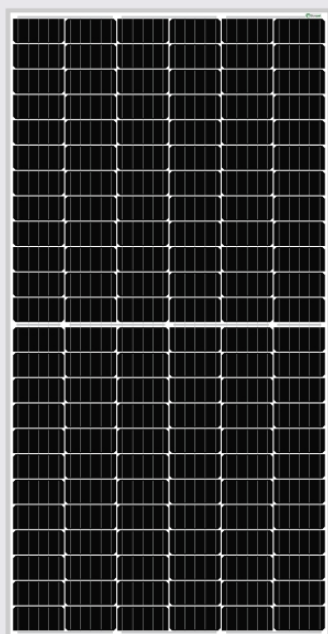


MPM6--72 HC



21.27%

PANEL EFFICIENCY

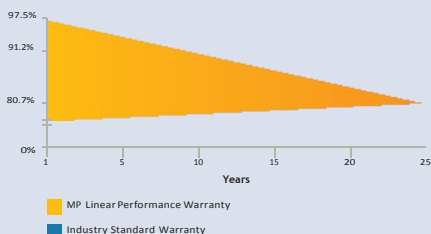
10 YEAR

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.



Half-cut cell technology

Lower cell connection power losses
Lower hot spot temperature risk



Low-light Performance

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



Excellent power generation performance

Guaranteed 0~+5W positive rated power tolerance ensures more power generation every day



Long weather resistance

Excellent anti-PID(Potential Induced Degradation)
Certified in fireproofing for safety

Jiangsu MP New Energy Co.,Ltd

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

MPM6-- 72 HC SERIES

ELECTRICAL PERFORMANCE

Electrical parameters at Standard Test Conditions (STC)

Module type			P _{max}					
			435	440	445	450	460	465
Power output	P _{max}	W	435	440	445	450	460	465
Power output tolerances	P _{max}	W	0 / + 3					
Module efficiency	η _m	%	19.9	20.13	20.36	20.81	21.04	21.27
Voltage at P _{max}	V _{mp}	V	41.2	41.4	41.6	42.0	42.2	42.4
Current at P _{max}	I _{mp}	A	10.56	10.63	10.70	10.84	10.91	10.97
Open-circuit voltage	V _{oc}	V	49.6	49.8	50.0	50.4	50.6	50.8
Short-circuit current	I _{sc}	A	11.1	11.16	11.22	11.28	11.40	11.46

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

THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	43 +/- 2
Temperature coefficient of P _{max}	i	%/°C	-0.36
Temperature coefficient of V _{oc}	β _{Voc}	%/°C	-0.28
Temperature coefficient of I _{sc}	α _{Isc}	%/°C	0.05

OPERATING CONDITIONS

Max. system voltage	1000VDC or 1500 VDC
Max. series fuse rating	20A
Limiting reverse current	30A
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	(6*24) = 144 monocrystalline silicon
Frame (material)	Silvery, anodized aluminum alloy
Junction box (protection degree)	IP68
Cable (length / cross-sectional area)	TUV, 1400mm / 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



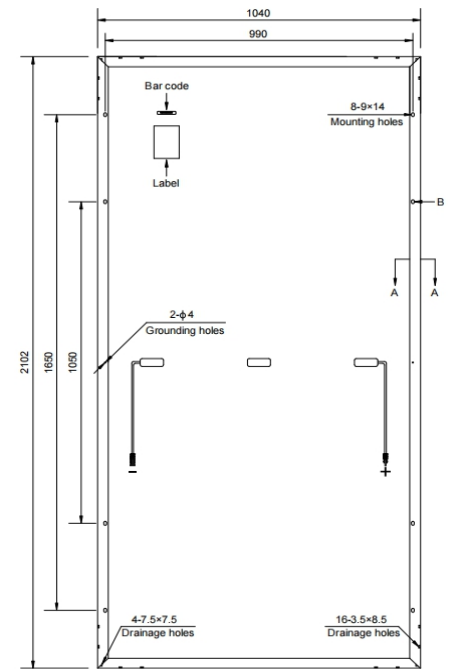
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GENERAL CHARACTERISTICS

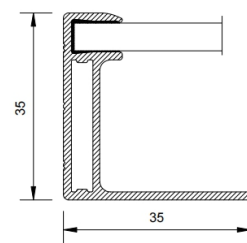
Dimensions(L/W/H)	2102mm/1040mm/40mm
Weight	24kg

PACKAGING SPECIFICATIONS

Number of modules per pallet	31
Number of pallets per 20' container	10
Number of modules per 20' container	310
Number of pallets per 40' container	22
Number of modules per 40' container	682



Rear View



Section A-A



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

Jiangsu MP New Energy CO.,LTD

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