



HW-M10/144G(580-600)

N-type TOPCon Bifacial Dual Glass

Mono Solar Module



Introduction

MBB and high-density interconnect technology improves power output and module efficiency.

Deploying advanced non-destructive cutting and half-cut technology, the Module features excellent Mechanical performance.



Excellent power generation performance

0/+5W positive power tolerance
Improved low light irradiance performance and low degradation



Advanced production process

Optimized MBB design
Cell efficiency >23.0%

Certificate

TUV: EN IEC 61215, EN IEC 61730
GB/T 19001-2016/ISO 9001:2015
GB/T 24001-2016/ISO 14001:2015
GB/T 45001-2020/ISO 45001:2018



Stable mechanical performance

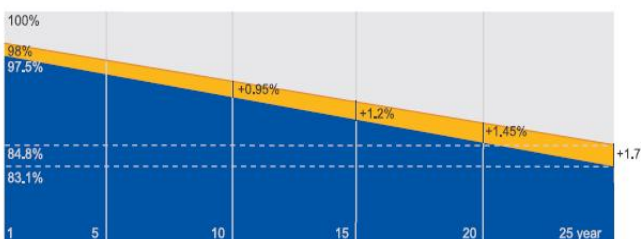
Passed rigorous hail test
Withstands 5400Pa snow and 2400Pa wind loads



Superior quality control

Full automatic production line
100% three times EL and appearance inspection

Warranty



■ New linear power warranty ■ Standard module linear power warranty

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SPECIFICATIONS

Solar Cells	N-type Monocrystalline
No. Of Cells	144(6x24)
Dimensions	2278x1134x30mm
Weight	32.0kgs
Junction Box	IP 68, 3 Diodes
Cables	4.0mm ²
Connectors	QC 4.10-35(1500V)

TEMPERATURE RATINGS

NOCT(Nominal Operating Cell Temperature)	43°C (±2°C)
Temperature Coe- cient of P _{MAX}	- 0.34%/°C
Temperature Coe- cient of V _{OC}	- 0.25%/°C
Temperature Coe- cient of I _{SC}	0.04%/°C

STC: Irrdiance 1000W/m2, Cell Temperature 25°C, Air Mass AM1.5.

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	30A

BNPI: Irradiance at 1000W/m², rear 135W/m², Cell Temperature 25°C, AM=1.5

PACKAGING

Modules per box: 36 pieces

Modules per 40' container: 720 pieces

WARRANTY

- 12 year Product Workmanship Warranty
- 25 year Power Warranty
- 0.55% Annual Power Attenuation
- 2% first year degradation

CHARACTERISTICS

