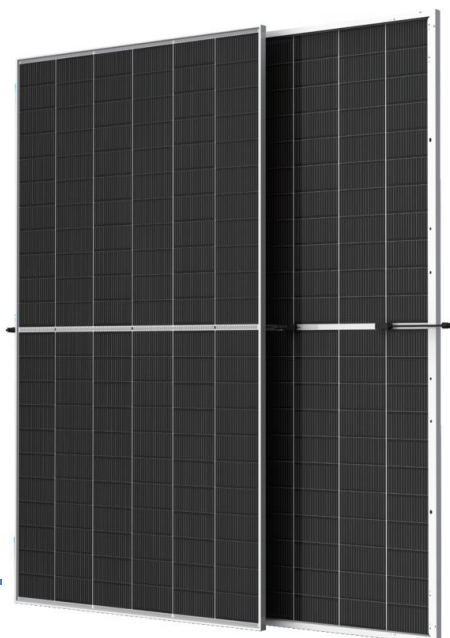




HW-M12/132G(710-730)

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

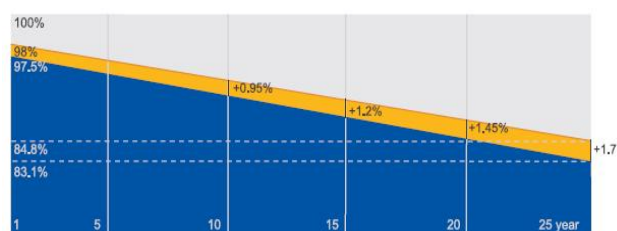
Passed rigorous hail test
Withstands 5400Pa snow and 2400Pa wind loads



Superior quality control

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

Warranty



■ New linear power warranty ■ Standard module linear power warranty

Hiwatt Solar Limited

Longxi Road, Changzhou City, Jiangsu, China

Tel: +86-523-89118897

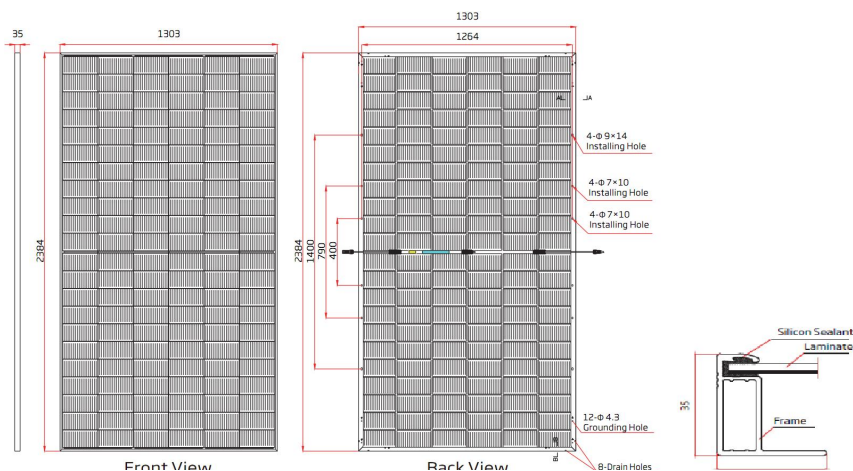
Email: Info@hiwattsolar.com

Web: www.hiwattsolar.com



HW-M12/132G(710-730)

MECHANICAL DIAGRAMS



SPECIFICATIONS

Solar Cells	N-type Monocrystalline
No. Of Cells	132(6x22)
Dimensions	2384x1303x33mm
Weight	38.7kgs
Junction Box	IP 68, 3 Diodes
Cables	4.0mm ²
Connectors	QC 4.10-35(1500V)

ELECTRICAL DATA (STC)

Peak Power Watts-PMAX (Wp)	710	715	720	725	730
Power Tolerance-PMAX (W)			0 ~ +5		
Maximum Power Voltage -VMPP (V)	40.65	40.77	40.89	41.00	41.11
Maximum Power Current -IMPP (A)	17.47	17.54	17.61	17.69	17.76
Open Circuit Voltage -VOC (V)	48.73	48.88	49.04	49.20	49.36
Short Circuit Current -ISC (A)	18.53	18.60	18.67	18.74	18.81
Module Efficiency (%)	22.86	23.02	23.58	23.34	23.50

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

ELECTRICAL DATA (BNPI)

Maximum Power-PMAX (Wp)	784	790	795	800	805
Maximum Power Voltage -VMPP (V)	40.66	40.80	40.92	41.03	41.14
Maximum Power Current -IMPP (A)	19.28	19.36	19.43	19.50	19.57
Open Circuit Voltage -VOC (V)	48.72	48.85	48.99	49.12	49.25
Short Circuit Current -ISC (A)	20.48	20.55	20.63	20.71	20.79

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

TEMPERATURE RATINGS

NOCT(Nominal Operating Cell Temperature)	43°C (±2°C)
Temperature Coe-cient of PMAX	- 0.34%/°C
Temperature Coe-cient of VOC	- 0.25%/°C
Temperature Coe-cient of ISC	0.04%/°C

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	35A

PACKAGING

Modules per box:	33 pieces
Modules per 40' container:	594 pieces

WARRANTY

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

CHARACTERISTICS

