

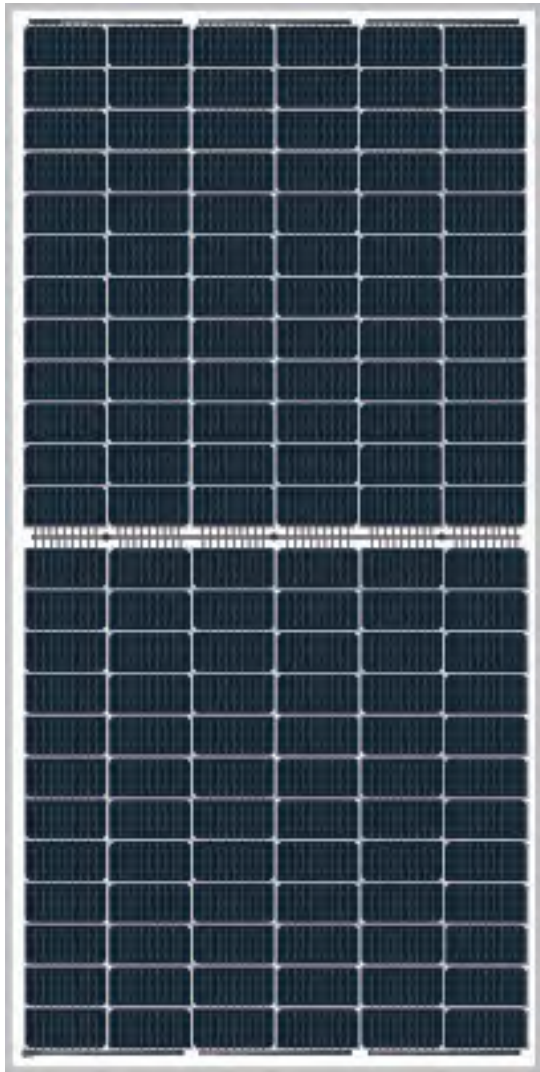


570W

Class leading power output

Positive
Power
Tolerance

-0 to +3%



N-Type Cells Dual Glass

Mission Solar Energy is headquartered in San Antonio, Texas. Our product line is tailored for residential, commercial and utility applications. Every Mission Solar Energy solar module is certified and surpasses industry standard regulations, proving excellent performance over the long term.

Demand the best. Demand Mission Solar Energy.



Certified Reliability

- Tested to UL 61730 & IEC Standards
- PID resistant
- Resistance to salt mist corrosion



Advanced Technology

- SMBB Technology
- TopCon Cell
- Ideal for utility and commercial applications



Extreme Weather Resilience

- Up to 5,400 Pa snow load & 2,400 Pa wind load
- Tested load to UL 61730
- Dia. 25mm Hailstone tests at the speed of 24m/s

CLASS LEADING 12 YEAR PRODUCT 30 YEAR POWER WARRANTY

Degradation guaranteed not to exceed 1% in year one and 0.4% annually from years two to 30 with 87.4% capacity guaranteed in year 30.
For more information, visit www.missionsolar.com/warranty

CERTIFICATIONS

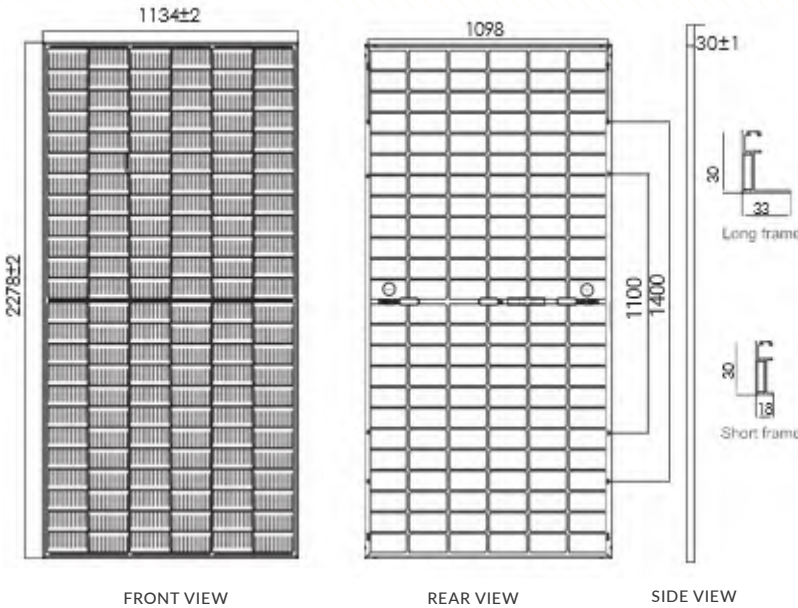


If you have questions or concerns about certification of our products in your area, please contact Mission Solar Energy.

UL 61730 / IEC 61215 / IEC 61730 / IEC 61701

BASIC DIMENSIONS

[UNITS: MM]



FRONT VIEW

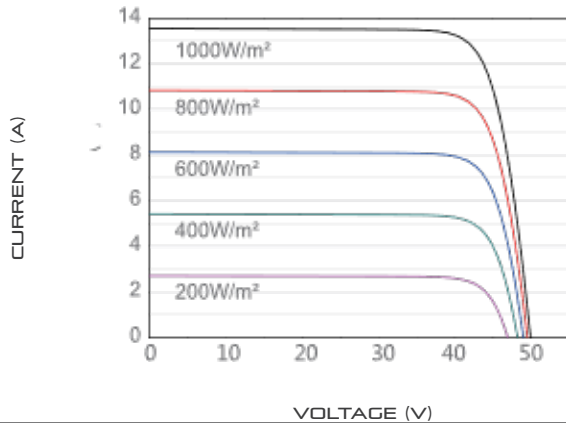
REAR VIEW

SIDE VIEW

CURRENT-VOLTAGE CURVE

MSI575HN4G: 570W, 144 HALF-CUT CELL SOLAR MODULE

Current-voltage characteristics with dependence on irradiance and module temperature



CERTIFICATIONS AND TESTS

IEC	61215, 61730
UL	61730



ELECTRICAL SPECIFICATION

PRODUCT TYPE	MSI10-xxxHN4G (xxx = P _{max})				
Power Output	P _{max}	W _p	565	570	575
Module Efficiency	%		21.87	22.07	22.28
Tolerance	%		0/+5	0/+5	0/+5
Short Circuit Current	I _{sc}	A	14.23	14.31	14.39
Open Circuit Voltage	V _{oc}	V	50.60	50.74	50.88
Rated Current	I _{mp}	A	13.48	13.55	13.62
Rated Voltage	V _{mp}	V	41.92	41.92	42.22
Fuse Rating	A		30A	30A	30A
System Voltage	V		1,500	1,500	1,500

BIFACIAL OUTPUT Rearside Power Gain

5%-Maximum Power	593W	599W	604W
5%-Module Efficiency STC (%)	22.97%	23.17%	22.57%
15%-Maximum Power	650W	656W	661W
15%-Module Efficiency STC (%)	25.15%	25.37%	25.60%
25%-Maximum Power	742W	748W	755W
25%-Module Efficiency STC (%)	28.71%	28.96%	29.21%

TEMPERATURE COEFFICIENTS

Normal Operating Cell Temperature (NOCT)	45°C (±2%)
Temperature Coefficient of P _{max}	-0.310%/°C
Temperature Coefficient of V _{oc}	-0.284%/°C
Temperature Coefficient of I _{sc}	0.024%/°C

OPERATING CONDITIONS

Maximum System Voltage	1,500Vdc
Operating Temperature Range	-40°F to 185°F (-40°C to +85°C)
Maximum Series Fuse Rating	30A
Fire Safety Classification	Type 29*
Front & Back Load (UL Standard)	Up to 5,400 Pa snow and 2,400 Pa wind load, Tested to UL 61730
Hail Safety Impact Velocity	25mm at 24 m/s

*Please note, the 'Fire Class' Rating is designated for the fully-installed PV system, which includes, but is not limited to, the module, the type of mounting used, pitch and roof composition.

MECHANICAL DATA

Solar Cells	N-type TopCon, 182mm
Cell Orientation	144 half-cut cells
Module Dimension	2278(±2mm) x 1134(±2mm) x 30(±1mm)
Weight	70.1 lbs. (31.8kg)
Front Glass	High-transmission, low-iron, anti-reflective, semi-tempered double glass
Frame	30mm Anodized
Encapsulant	Polyolefin Elastomer (POE)
Junction Box	Protection class IP68 with 3 bypass-diodes
Cable	1.2m, Wire 4mm ² (12AWG)
Connector	MC4

SHIPPING INFORMATION

Container Feet	Ship To	Pallet	Panels	570W Bin
53'	Most States	20	720	410.40 kW
Double Stack	CA	18	648	369.36 kW

Mission Solar Energy

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