

DOMESTIC CONTENT

P-PERC Bifacial 144HC

Transparent Backsheet

MISSION SOLAR
ENERGY



NON-PFE, FEOC COMPLIANT

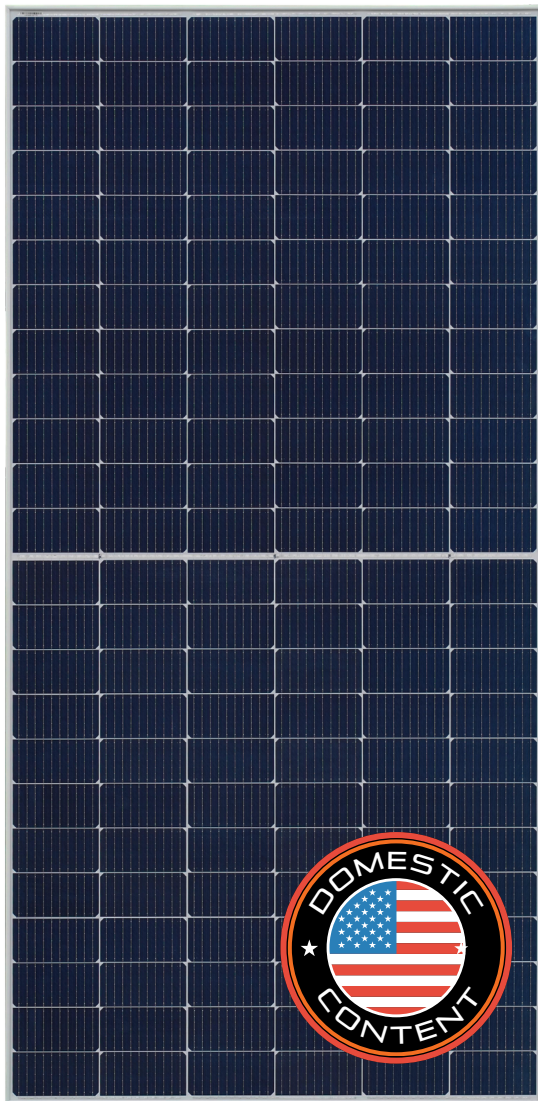
540-560W

Class leading power output

Positive Power

Tolerance

0 to +3%



American Solar Built for the Long Haul

Mission Solar Energy is headquartered in San Antonio, Texas. This product is tailored for commercial and utility applications. Every Mission Solar Energy solar module is certified and surpasses industry standard regulations, providing excellent performance over the long term. Mission Solar Energy is a proud member of the OCI family of companies.

Fair Trade Practices

- Free of forced labor at all stages of the supply chain
- Not subject to AD/CVD tariffs or investigations

Certified Reliability

- Tested to UL 61730
- PID resistant

Advanced Technology

- Half-cut cell with 10 busbar
- Passivated Emitter Rear contact
- Engineered for residential and commercial applications

Extreme Weather Resilience

- Up to 5,400 Pa front load & 2,400 Pa back load
- Hail tests results exceed 25mm at 23 m/s

FRAME-TO-FRAME WARRANTY

Degradation guaranteed not to exceed 2% in year 1 and 0.45% annually from years 2 to 30, with 84.95% guaranteed in year 30; 12-year product warranty and 30-year warranty power output.

For more information, visit www.missionsolar.com/warranty



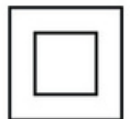
America's Module Company®

CERTIFICATIONS

CEC



UL 61730



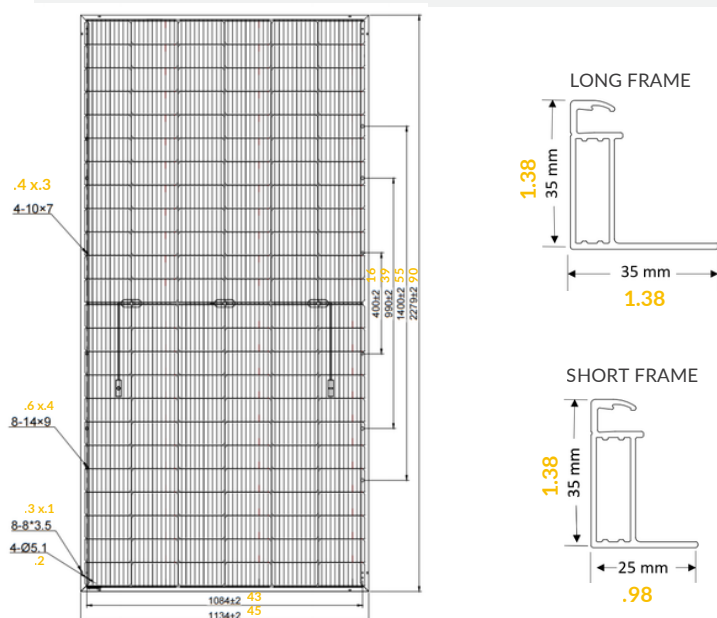
If you have questions or concerns about certification of our products in your area, please contact Mission Solar Energy.

ELECTRICAL SPECIFICATION

PRODUCT TYPE	MSH10-xxxHT4T-DC (xxx = P _{max})				
Power Output	P _{max}	Wp	550	555	560
Module Efficiency	%		21.3	21.5	21.7
Tolerance	%		0/+3	0/+3	0/+3
Short Circuit Current	I _{sc}	A	14	14.07	14.14
Open Circuit Voltage	V _{oc}	V	49.8	49.95	50.10
Rated Current	I _{mp}	A	13.12	13.2	13.27
Rated Voltage	V _{mp}	V	41.95	42.1	42.25
Fuse Rating	A		25	25	25
System Voltage	V		1,500	1,500	1,500

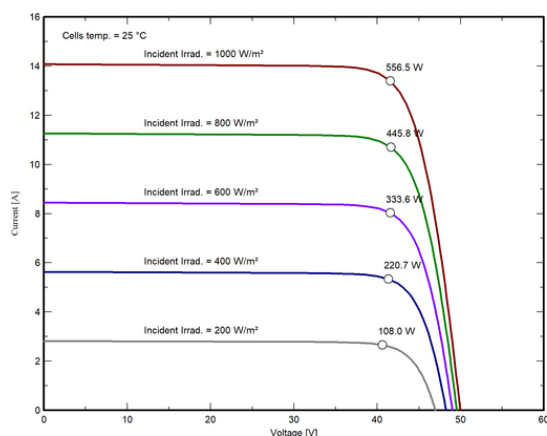
BASIC DIMENSIONS

[UNITS: MM/IN]



CURRENT-VOLTAGE CURVE

MSH10-xxxHT4T-DC: 555W, 144 CELL SOLAR MODULE



ELECTRICAL SPECIFICATION (BACKSIDE)

Power Output	P _{max}	Wp	405	409	413
Short Circuit Current	I _{sc}	A	11.26	11.3	11.36
Open Circuit Voltage	V _{oc}	V	47.06	47.2	47.34
Rated Current	I _{mp}	A	10.22	10.29	10.35
Rated Voltage	V _{mp}	V	39.62	39.76	39.9

TEMPERATURE COEFFICIENTS

Nominal Module Operating Temperature (NMOT)	45°C (±2°C)
Temperature Coefficient of P _{max}	-0.326%/°C
Temperature Coefficient of V _{oc}	-0.258%/°C
Temperature Coefficient of I _{sc}	0.051%/°C

OPERATING CONDITIONS

Maximum System Voltage	1,500 Vdc
Operating Temperature Range	-40°F to 185°F (-40°C to +85°C)
Maximum Series Fuse Rating	25A
Fire Safety Classification	Type 1
Front & Back Load (UL Standard)	Up to 5,400 Pa front and 2,400 Pa back load.

MECHANICAL DATA

Solar Cells	P-PERC Monocrystalline
Cell Orientation	144 cells
Module Dimension	2279 mm x 1134 mm x 35 mm
Weight	60.6 lbs. (27.5 kg)
Front Glass	3.2 mm High Transmission Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP 68 Rated
Cable	400mm or 1200mm, Wire 4 mm² (12AWG)
Connector	MC4 EVO2 / MC4
Domestic Content	Available- Contact Sales Team

SHIPPING INFORMATION

Truck Load	Ship To	Pallets	Modules	555W Bin
53'	Most States	20	620	344.1 kW
Double Stack: (Horizontal Orientation): 31 modules per pallet				

PALLET [31 MODULES]

Weight	Height	Width	Length
1969 lbs. (893 kg)	49 in (1243 mm)	45 in (1145 mm)	91 in (2304 mm)

CERTIFICATIONS AND TESTS



UL 61730

Mission Solar Energy

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Mission Solar Energy reserves the right to make specification changes without notice.

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