MSE-350 PERC

High Power Module

MISSION SOLAR ENERGY

Class Leading Output:
Up to 360W power

Advanced Technology:
PERC and 4 busbars drive
>18% module efficiency

Reduced System Costs:
Robust design, 1500V
and simple installation

Certified Reliability:
3X IEC, salt mist, ammonia

Proudly assembled in the USA
Mission Solar Energy is headquartered in San Antonio, TX with cell and module facilities onsite. Our team of more than 400 staff call Texas home and are devoted to producing high quality solar products and services. Our supply chain includes local and domestic vendors increasing our impact to the U.S. economy.

Assembled in the USA

CERTIFICATIONS

IEC 61215/ IEC 61730/ IEC 61701
UL 1703: CSA

Independently Audited by SOLARBUYER

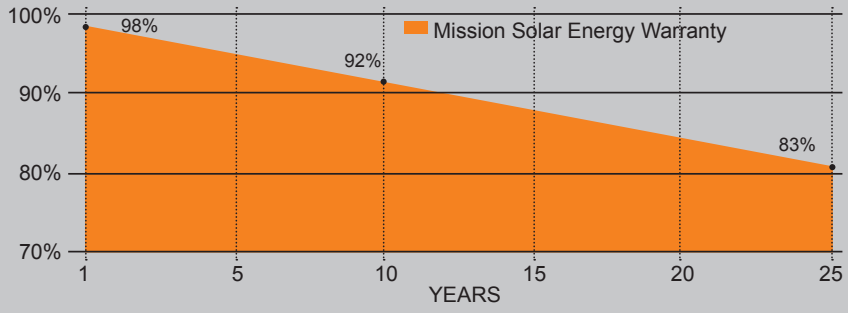
*As there are different certification requirements in different markets, please contact your local Mission Solar Energy sales representative for the specific certificates applicable to the products in the region in which the products are to be used.

Outstanding performance with PERC
Passivated Emitter Rear Cell (PERC) technology provides excellent power output through advanced cell architecture.

Best in class quality
Mission Solar Energy production lines are fully automated and include multiple quality checks throughout the production process including 3X EL Testing, 100% Visual inspection, and positive binning.

Proven reliability and bankability
Mission Solar Energy panels have been tested by independent testing centers to meet and exceed IEC standards. Its panels are already deployed in multiple installations.

25-YEAR LINEAR WARRANTY



ELECTRICAL SPECIFICATIONS

Electrical parameters at Standard Test Condition (STC)

Module Type			MSE345SQ4S	MSE350SQ4S	MSE355SQ4S	MSE360SQ4S	MSE365SQ4S
Power Output	Pmax	Wp	345	350	355	360	365
Tolerance					0~+3%		
Short-Circuit Current	Isc	A	9.70	9.73	9.76	9.79	9.81
Open Circuit Voltage	Voc	V	46.98	47.38	47.68	48.08	48.12
Rated Current	Imp	A	9.04	9.11	9.19	9.28	9.32
Rated Voltage	Vmp	V	38.43	38.68	38.98	39.28	39.32

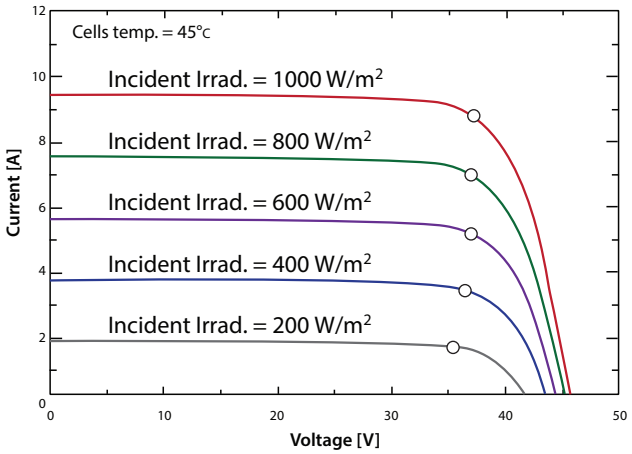
TEMPERATURE COEFFICIENTS

Normal Operating Cell Temperature (NOCT)	44°C (±2°C)
Temperature Coefficient of Pmax	-0.427%/°C
Temperature Coefficient of Voc	-0.318%/°C
Temperature Coefficient of Isc	0.042%/°C

OPERATING CONDITIONS

Maximum System Voltage	1,500VDC for UL
Operating Temperature Range	-40°C (-40°F) to +90°C (194°F)
Maximum Series Fuse Rating	15A
Fire Safety Classification	Class C
Static Load Wind/Snow	2400Pa/5400Pa
Hail Safety Impact Velocity	25mm at 23 m/s

MSE360SQ4S: 360WP, 72CELL SOLAR MODULE CURRENT-VOLTAGE CURVE

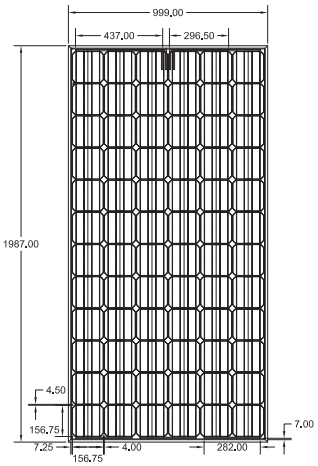


Current-voltage characteristics with dependence on irradiance and module temperature

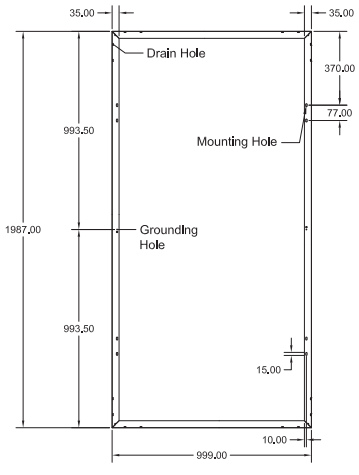
MECHANICAL DATA

Solar Cells	P-type Mono-crystalline Silicon (6 in.)
Cell orientation	72 cells (6x12), 4 busbar
Module dimension	1987mm x 999mm x 40mm (78.23 in. x 39.33 in. x 1.57 in.)
Weight	21.6 kg (47.6 lb)
Front Glass	3.2mm (0.126 in.) tempered, Low-iron, Anti-reflective coating
Frame	Anodized aluminum alloy
Encapsulant	Ethylene vinyl acetate (EVA)
J-Box	Protection class IP67 with bypass-diode
Cables	PV wire, 1.2m (47.2 in.), 4mm² / 12 AWG
Connector	MC4 or MC4 compatible

BASIC DESIGN (UNITS: MM)



Front View



Back View

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

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