

MSE Mono 72

High Power Mono Module



Class Leading Output:
Up to 340W power



Advanced P-Type
monocrystalline cell
technology



Certified Reliability:
3X IEC, salt mist, ammonia



5600 Pa snow load
175 mph wind rating **New!**



Buy American Act



Proudly assembled in the USA

Mission Solar Energy is headquartered in San Antonio, TX with module facilities onsite. Our hardworking team calls Texas home and is 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



*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.

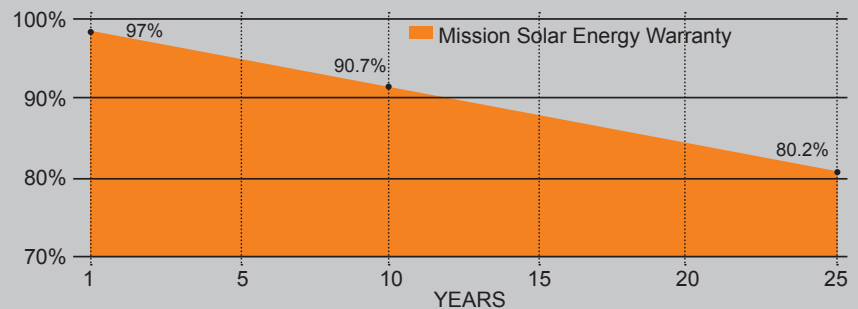
Best in class quality

Mission Solar Energy production lines are fully automated and include multiple quality checks throughout the production process including 2X 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. Our panels are deployed in projects across North America.

25-YEAR LINEAR WARRANTY



ELECTRICAL SPECIFICATIONS

Electrical parameters at Standard Test Condition (STC)

| Module Type | | | MSE330SO6J | MSE335SO6J | MSE340SO6J |
|-----------------------|------|----|------------|------------|------------|
| Power Output | Pmax | Wp | 330 | 335 | 340 |
| Module Efficiency | | % | 16.63 | 16.93 | 17.14 |
| Tolerance | | | -0/+3% | | |
| Short-Circuit Current | Isc | A | 9.23 | 9.38 | 9.49 |
| Open Circuit Voltage | Voc | V | 46.12 | 46.14 | 46.35 |
| Rated Current | Imp | A | 8.72 | 8.87 | 8.95 |
| Rated Voltage | Vmp | V | 37.85 | 37.89 | 38.02 |

STC: Irradiance 1000 W/m², Cell temperature of 25°C, AM 1.5

TEMPERATURE COEFFICIENTS

| | |
|--|-------------|
| Normal Operating Cell Temperature (NOCT) | 44°C (±2°C) |
| Temperature Coefficient of Pmax | -0.419%/°C |
| Temperature Coefficient of Voc | -0.315%/°C |
| Temperature Coefficient of Isc | 0.049%/°C |

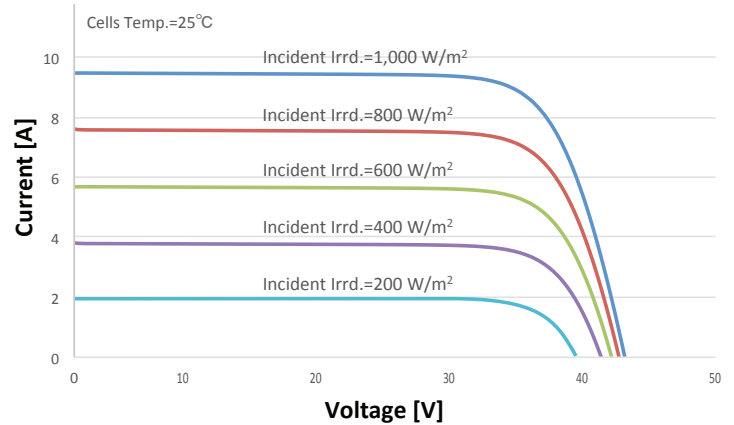
OPERATING CONDITIONS

| | |
|---------------------------------|--------------------------------|
| Maximum System Voltage | 1,000VDC |
| Operating Temperature Range | -40°C (-40°F) to +90°C (194°F) |
| Maximum Series Fuse Rating | 15A |
| Fire Safety Classification | Type 1, Class C |
| Front & Back Load (UL standard) | 5600 Pa (117 psf) New! |
| Hail Safety Impact Velocity | 25mm at 23 m/s |

MECHANICAL DATA

| | |
|------------------|--|
| Solar Cells | P-type Mono-crystalline Silicon (156.75mm) |
| 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 3 bypass-diodes |
| Cables | PV wire, 1.2m (47.24 in.), 4mm ² /12 AWG |
| Connector | MC4 or compatible |

MSE335SO6J: 335WP, 72CELL SOLAR MODULE CURRENT-VOLTAGE CURVE



Current-voltage characteristics with dependence on irradiance and module temperature

BASIC DESIGN (UNITS: mm)

