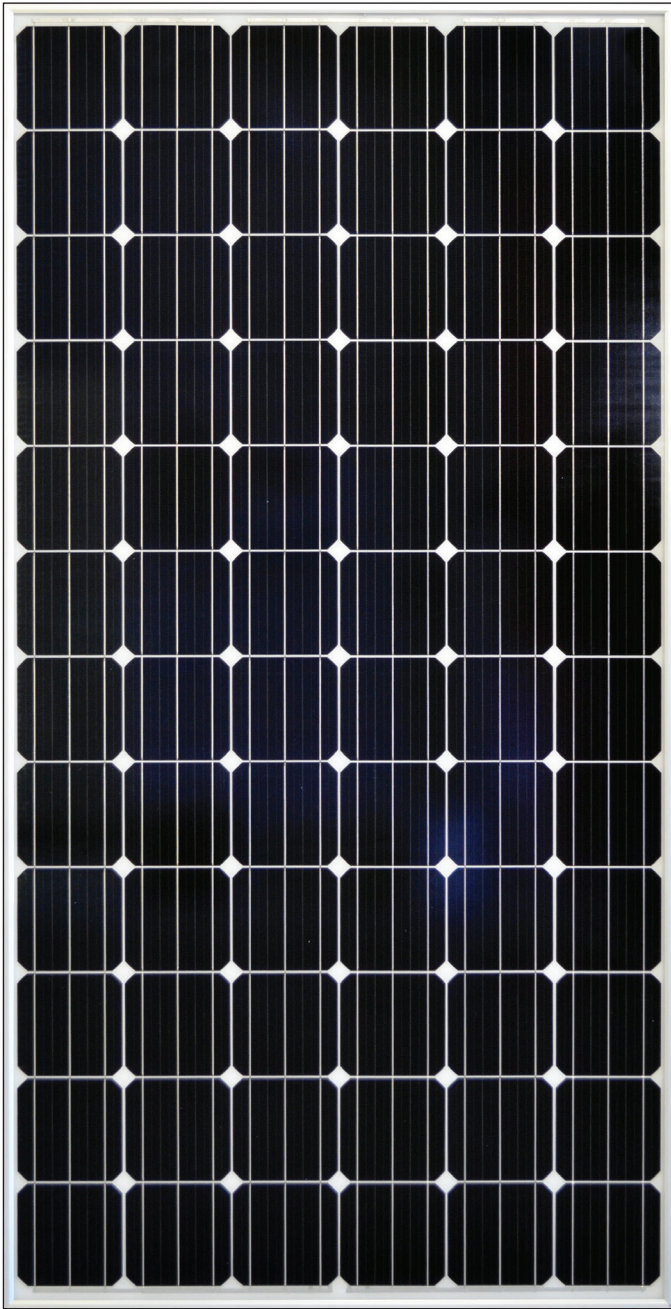


Mission 300-P Mono Series

300-335Wp P-Type Monocrystalline Modules



72 high efficiency P-type cells per module

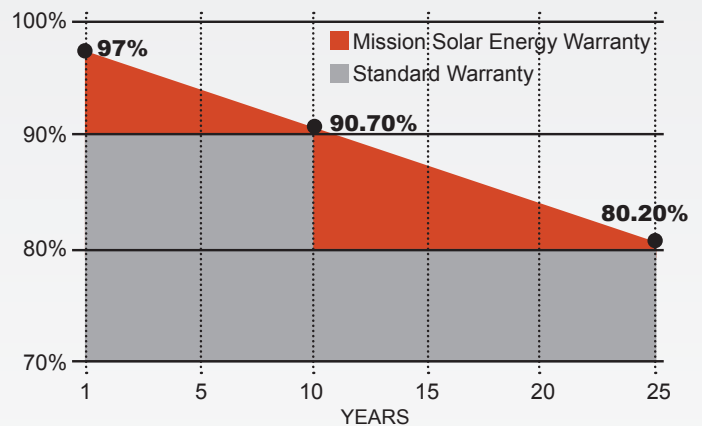


Powerful performance
300-335Wp



Weather resistant

// 25-YEAR LINEAR PERFORMANCE WARRANTY



- 10-year product warranty
- 25-year power output warranty

// QUALITY AND SAFETY

- UL Certified, UL1703, ULC/ORD – C1703
- Modules 100% EL sorted

Mission Solar Energy modules offer excellent performance. We manufacture both solar cells and modules in our 200MW facility in San Antonio, Texas. Our high-efficiency modules are well suited for utility, commercial and residential applications.



Assembled in the USA

Assembled in the USA of 16 percent domestic content and 84 percent foreign content

ELECTRICAL SPECIFICATIONS

Electrical parameters at Standard Test Condition (STC)

Module Type			MSE300SE1J	MSE305SE1J	MSE310SE1J	MSE315SE1J	MSE320SE1J	MSE325SE1J	MSE330SE1J	MSE335SE1J
Power Output	Pmax	Wp	300	305	310	315	320	325	330	335
Tolerance			0~+3%							
Short-Circuit Current	Isc	A	8.90	8.93	8.96	8.99	9.12	9.13	9.14	9.15
Open Circuit Voltage	Voc	V	45.2	45.6	45.6	45.8	45.9	46.1	46.11	46.4
Rated Current	Imp	A	8.26	8.32	8.38	8.47	8.56	8.60	8.62	8.68
Rated Voltage	Vmp	V	36.6	36.9	37.0	37.2	37.4	37.8	38.5	38.9

TEMPERATURE COEFFICIENTS

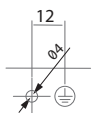
Normal Operating Cell Temperature (NOCT)	45°C (±2°C)
Temperature Coefficient of Pmax	-0.37%/°C
Temperature Coefficient of Voc	-0.319%/°C
Temperature Coefficient of Isc	0.062%/°C

OPERATING CONDITIONS

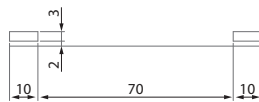
Maximum System Voltage	1000VDC for UL
Operating Temperature Range	-40°C (-40°F) to +90°C (194°F)
Maximum Series Fuse Rating	15A
Fire Safety Classification	Class C
Static Load Wind/Snow	2400Pa/5400Pa
Hail Safety Impact Velocity	25mm at 23 m/s

MECHANICAL DATA

Solar Cells	P-type Monocrystalline Silicon (6 in.)
Cell orientation	72 cells (6x12)
Module dimension	1970mm x 990mm x 40mm (77.5591 in. x 38.9764 in. x 1.5748 in.)
Weight	21.2 kg (46.7 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 IP65 with bypass-diode
Cables	PV wire, 1.2m (47.2 in.), 4mm ² / 12 AWG
Connector	Amphenol H4

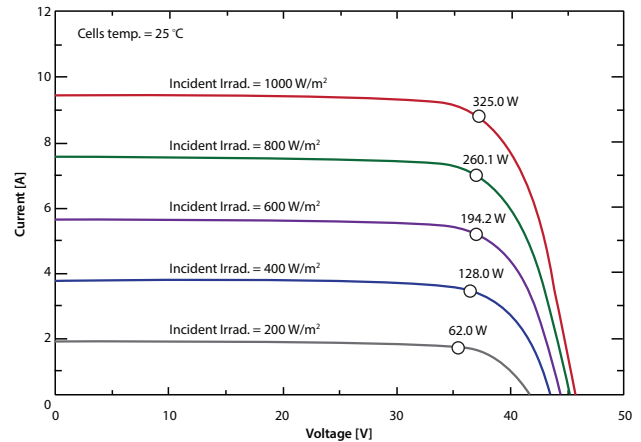


Grounding Holes and Mark

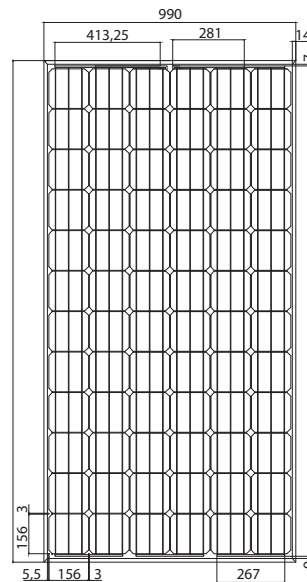


Drain Holes

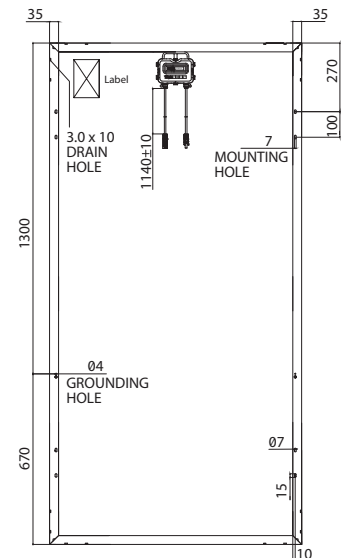
MSE325SE1J: 325Wp, 72 Cell Solar Module Current-Voltage Curve



Current-voltage characteristics with dependence on irradiance and module temperature



Front View



Back View

