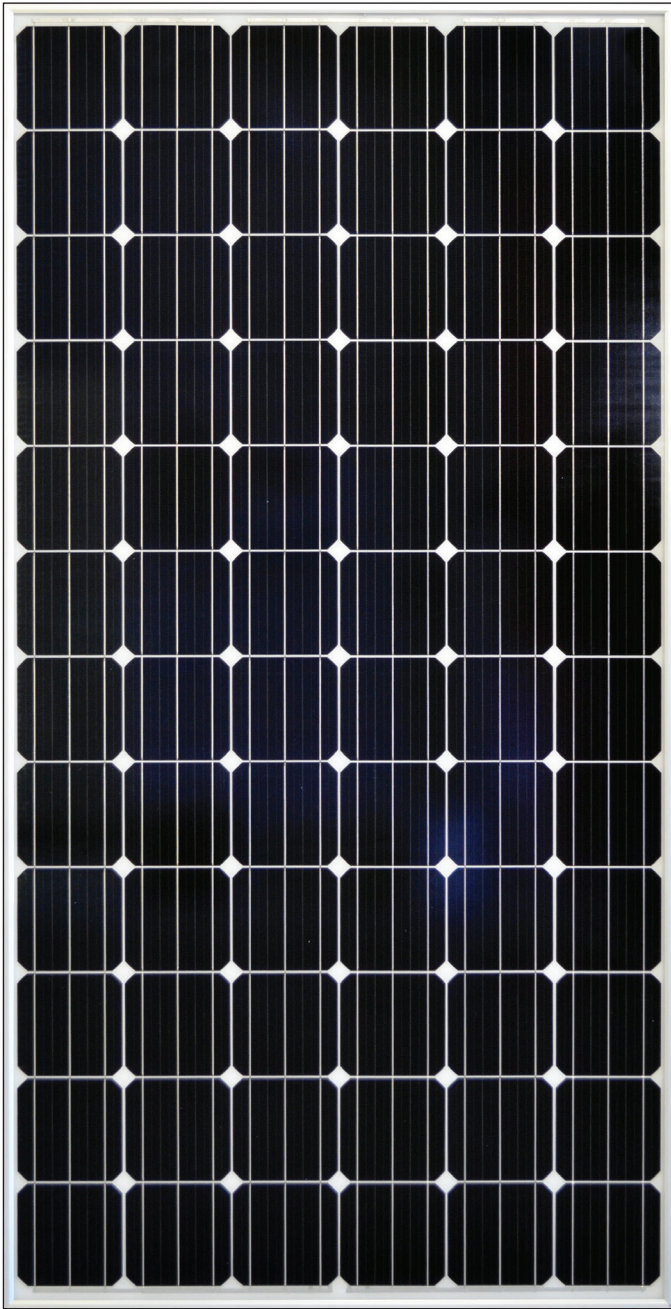


# Mission 300-N Mono Series

## 300-335Wp N-Type Monocrystalline Modules



72 high efficiency N-type cells per module



Powerful performance 300-335Wp



Excellent low light performance

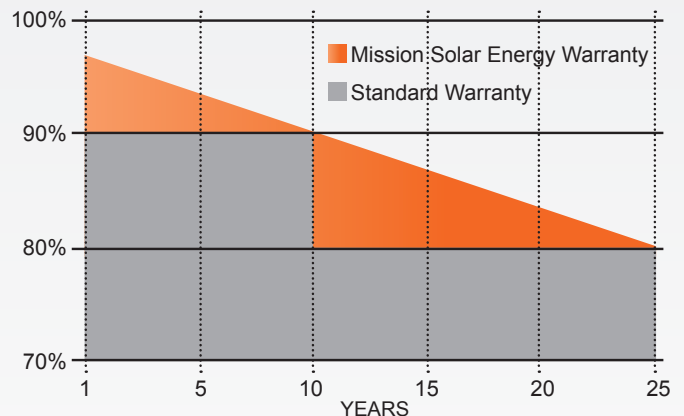


No light induced degradation



Weather resistant

### // 25-YEAR LINEAR PERFORMANCE WARRANTY



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

### // QUALITY AND SAFETY

- UL Certified, UL1702, ULC/ORD – C1703
- Modules 100% EL sorted



**MADE IN USA**

Mission Solar Energy modules offer excellent performance and are quality made in the USA. 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.

## ELECTRICAL SPECIFICATIONS

Electrical parameters at Standard Test Condition (STC)

Module Type			MSE300SB1J	MSE305SB1J	MSE310SB1J	MSE315SB1J	MSE320SB1J	MSE325SB1J	MSE330SB1J	MSE335SB1J
Power Output	P <sub>max</sub>	W <sub>p</sub>	300	305	310	315	320	325	330	335
Tolerance			0~+3%							
Short-Circuit Current	I <sub>sc</sub>	A	8.86	8.94	9.01	9.08	9.15	9.23	9.30	9.32
Open Circuit Voltage	V <sub>oc</sub>	V	45.2	45.6	45.9	46.3	46.7	47.0	47.4	47.6
Rated Current	I <sub>mp</sub>	A	8.26	8.32	8.39	8.45	8.52	8.59	8.65	8.71
Rated Voltage	V <sub>mp</sub>	V	36.6	36.9	37.2	37.5	37.8	38.1	38.4	38.7

## TEMPERATURE COEFFICIENTS

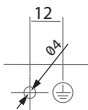
Normal Operating Cell Temperature (NOCT)	45°C (±2°C)
Temperature Coefficient of P <sub>max</sub>	-0.39%/°C
Temperature Coefficient of V <sub>oc</sub>	-0.315%/°C
Temperature Coefficient of I <sub>sc</sub>	0.057%/°C

## OPERATING CONDITIONS

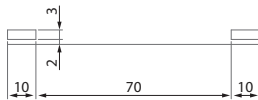
Maximum System Voltage	1000VDC for UL
Operating Temperature Range	-40°C (-40°F) to +90°C (194°F)
Maximum Series Fuse Rating	15A
Fire Safety Classification	Class C
Static Load Wind/Snow	2400Pa/5400Pa

## MECHANICAL DATA

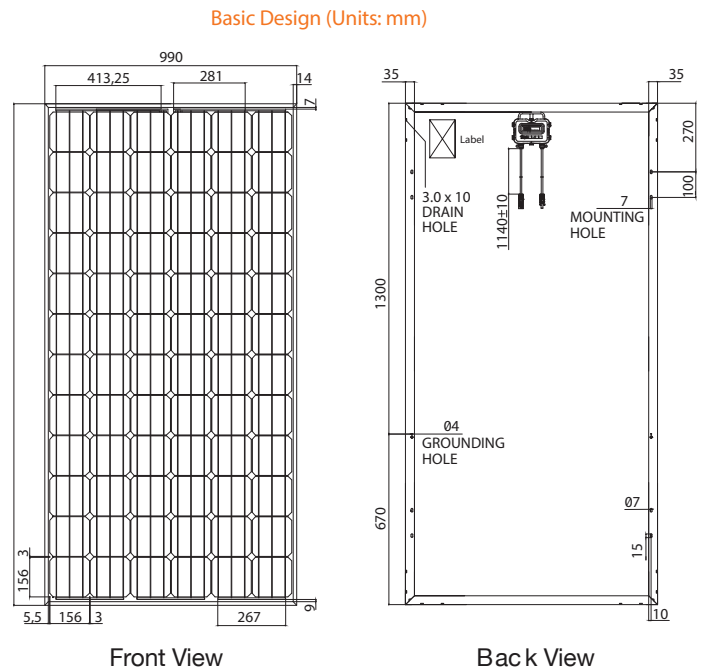
Solar Cells	Bifacial N-type Mono – Crystalline Silicon (6 in.)
Cell orientation	72 cells (6x12)
Module dimension	1970mm x 990mm x 40mm (77.5591 in. x 38.9764 in. x 1.5748 in.)
Weight	21.2 kg (46.7 lb)
Front Glass	3.2mm (0.126 in.) tempered, Low-iron, Anti-reflective coating
Frame	Anodized aluminum alloy
Encapsulant	Ethylene vinyl acetate (EVA)
J-Box	Protection class IP67 with bypass-diode
Cables	PV wire, 1.2m (47.2 in.), 4mm <sup>2</sup> / 12 AWG
Connector	Amphenol H4



Grounding Holes and Mark



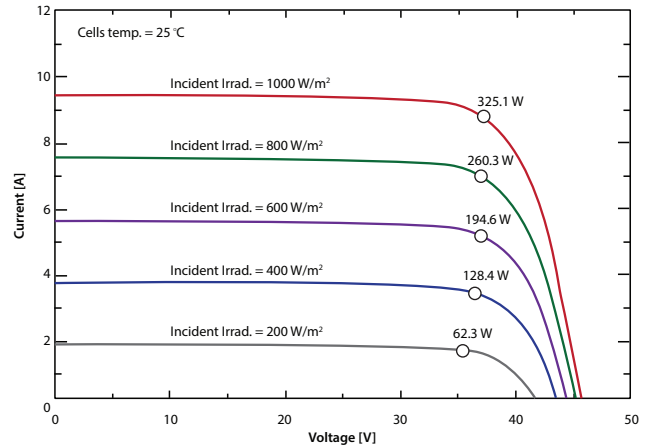
Drain Holes



Front View

Back View

## MSE325SB1J: 325Wp, 72Cell Solar Module Current-Voltage Curve



Current-voltage characteristics with dependence on irradiance and module temperature