

QUALITY  
RELIABILITY  
TRUE VALUE

Buy American and Reduce Your Carbon Footprint

# MONO MODULE

**60 CELL PERC**  
**300W, 305W, 310W,**  
**315W, 320W**



Supply Black and Silver Frame



#### Better Temperature Coefficient

Excellent temperature coefficient gives higher yield in the long term



#### Low-light Performance

Outstanding performance in weak-light conditions



#### PID Free

Excellent PID resistance



#### Positive Tolerance

Positive tight power tolerance of +5W



#### Quality Assurance

Double stage 100% EL inspection warranting defect-free products, with 8 high tech cameras to zoom in for a closer examination



#### Durability And Weather Resistance

- Severe salt mist, ammonia & blown sand resistance for seaside, farm and desert environments.
- Certified for high snow(5400 pa) and wind (2400 pa) loads



01

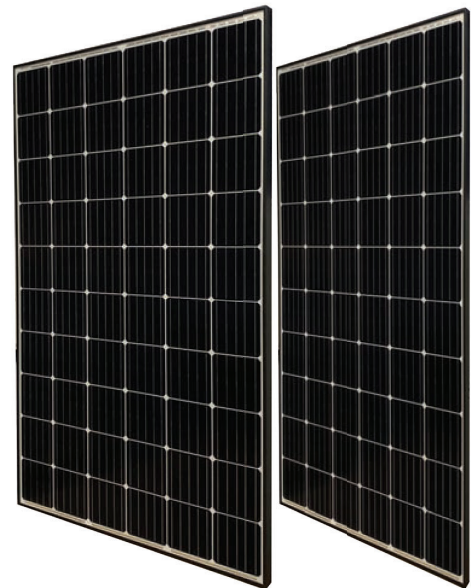
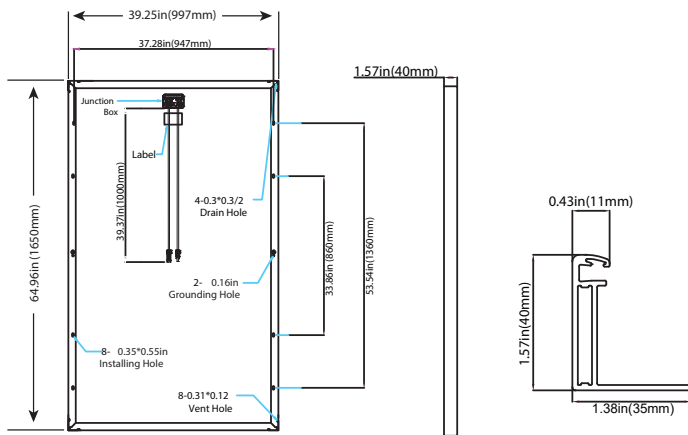
MADE IN CALIFORNIA



02

25 YEARS  
LINEAR WARRANTY  
12 YEARS  
WORKMANSHIP  
WARRANTY





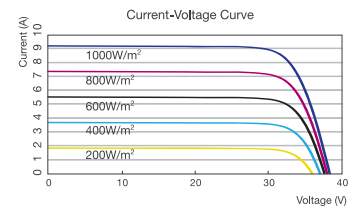
# Mono Module

**60 CELL 300W, 305W, 310W, 315W, 320W**

### Electrical Specifications

	SST-300M	SST-305M	SST-310M	SST-315M	SST-320M
Maximum Power(Pmax)	300W	305W	310W	315W	320W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	18.24%	18.54%	18.84%	19.15%	19.45%
Maximum Power Current(Imp)	9.33A	9.44A	9.56A	9.67A	9.78A
Maximum Power Voltage(Vmp)	32.25V	32.35V	32.46V	32.58V	32.72V
Short Circuit Current (Isc)	9.78A	9.89A	10.1A	10.21A	10.32A
Open Circuit Voltage (Voc)	39.82V	39.98V	40.1V	40.22V	40.34V

### IV-CURVE



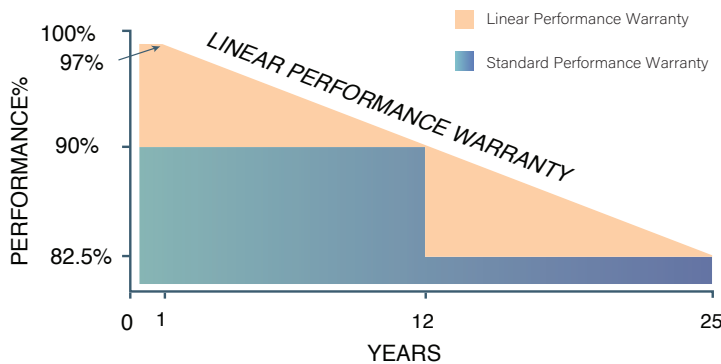
### Mechanical Data

Cell Type	Mono crystalline 6 inch, 60 (6x10) pcs in series
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65/IP67 rated, with bypass diodes
Dimension	*64.96x39.25x1.57in.(1650x997x40mm)
Output Cable	4mm <sup>2</sup> (EU)/12AWG(US), 39.37in(1000mm)
Weight	42.8lbs(19.4Kg)
Installation Hole Location	See Drawing Above

### Characteristics

Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.37%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C
Module Fire performance	Type 2
Static Snow Load	5400 Pa / 113 psf
Static Wind Load	2400 Pa / 50 psf
Maximum System Voltage	1500 VDC
Maximum Series Fuse Rating	20A

### Linear Performance Warranty



### Others: IEC 61215

- ◆ T/C 200
- ◆ DH 1000
- ◆ UV 60 kWhm<sup>2</sup>
- ◆ MEL 2400Pa@3 Cycle
- ◆ PID N/A
- ◆ Field outdoor exposure N/A

### SunSpark: DNV GL PVEL

- ◆ T/C 600
- ◆ DH 2000
- ◆ UV 90 kWhm<sup>2</sup>
- ◆ DML 1K Cycle+TC50+HF10
- ◆ PID 196h
- ◆ Field outdoor exposure 1 year

### GTM PV MODULE RELIABILITY SCORECARD

Items	Conditions	Power Change (%)
T/C	600 cycles	-4.54
DH	2,000 hours	-2.33
MEL	1, 1,000 cycles at 1,440 pa	-1.07
	2, TC 50	
	3, HF 10	
PID	1000V@192 hours	-0.82

