



**SINOTEC**  
**S**  **LAR**

**MADE IN US**

# ABOUT US

Since our founding in 2015, Sinotec Solar has risen to prominence as Southern California's leading renewable energy equipment manufacturer.

We are not just another name in the bustling solar industry; we represent the gold standard in American craftsmanship and sustainable energy solutions.

Conveniently located in the thriving City of Industry, California, Sinotec Solar is a bastion of innovation and quality, specializing in the production of high-caliber solar modules that are proudly manufactured in the United States.

**560,000**

Two manufacturer plants that have a total area of 560,000 square feet

**1.5GW**

The total production capacity is 1.5GW (2023)

**150**

Covering 150 acres





- + **American Excellence:** In addition to being made in the United States, Sinotec Solar's products carry the trusted seal of both Intertek's ETL and UL certifications, affirming our commitment to quality and safety.
- + **Versatile Energy Solutions:** Sinotec Solar offers a comprehensive range of panels with capacities from 335W to 595W, available in both Mono-Facial and Bi-Facial designs to suit various energy needs.
- + **Future-Ready Manufacturing:** Our state-of-the-art production line is designed for adaptability, seamlessly integrating with both current and emerging technologies such as PERC, TopCon, and HJT.
- + **Industry-Leading Warranty:** Invest with confidence—every Sinotec Solar product is backed by a robust 25-year linear performance and product warranty.



IN CA



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# MONO MODULE

## 60 CELL PERC BLACK BACKSHEET 320W – 335W



### 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



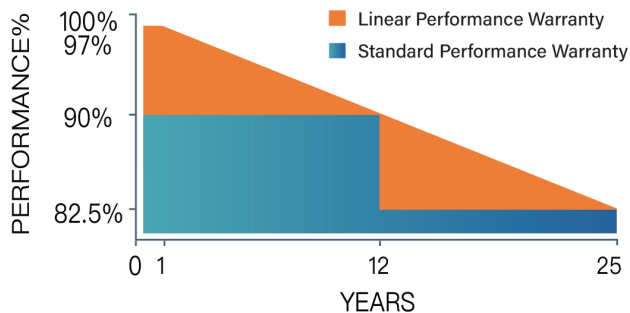
### Quality Assurance

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

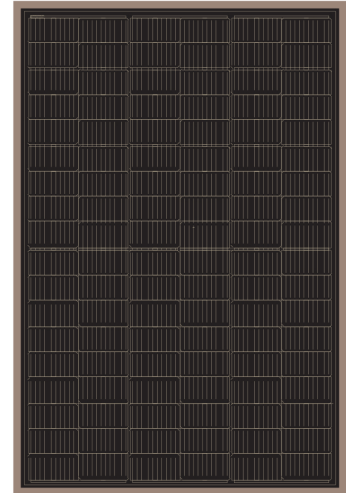


### Durability And Weather Resistance

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



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25 years Product Warranty  
25 years Linear Warranty  
25 years Workmanship Warranty



Intertek  
5014124

## + ELECTRICAL CHARACTERISTICS AT STC

Type	STS-310M3B-60	STS-315M3B-60	STS-320M3B-60	STS-325M3B-60	STS-330M3B-60	STS-335M3B-60
Maximum Power (Pmax)	310W	315W	320W	325W	330W	335W
Power Tolerance	±3%W	±3%W	±3%W	±3%W	±3%W	±3%W
Module Efficiency	18.78%	19.09%	19.39%	19,69%	20,0%	20,30%
Maximum Power Current(Imp)	9.52A	9.58A	9.65A	9,72A	9.78A	9,85A
Maximum Power Voltage(Vmp)	32,61V	32,90V	33,18V	33.45V	33,76V	34.07V
Short Circuit Current (Isc)	10.04A	10.11A	10.18A	10.25A	10.32A	10.39A
Open Circuit Voltage (Voc)	40,30V	40,53V	40,78V	41.04V	41.3V	41.59V

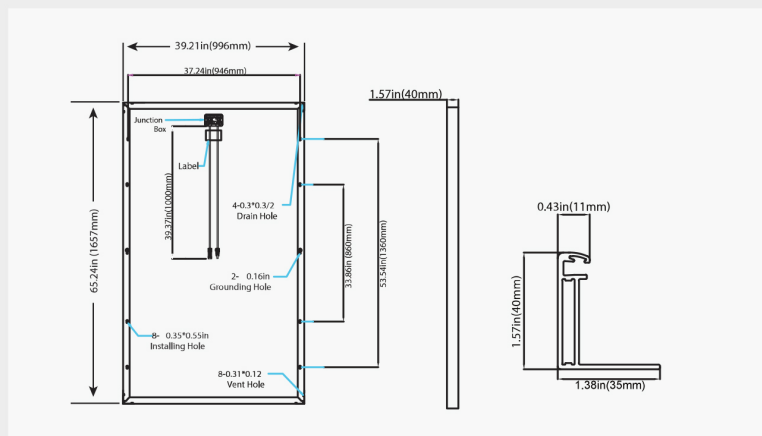
## + MECHANICAL DATA

Cell Type	Mono crystalline 6.25inch, 60 (6x10) pcs
Glass	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65/IP67rated, with bypass diodes
Dimension	65,24x39,21x1.57in, (1657x996x40mm)
Output Cable	4mm <sup>2</sup> (EU)/12AWG (US), 39,37in (1000mm)
Weight	40.57lbs (18.4Kg)
Installation Hole Location	See Drawing Above

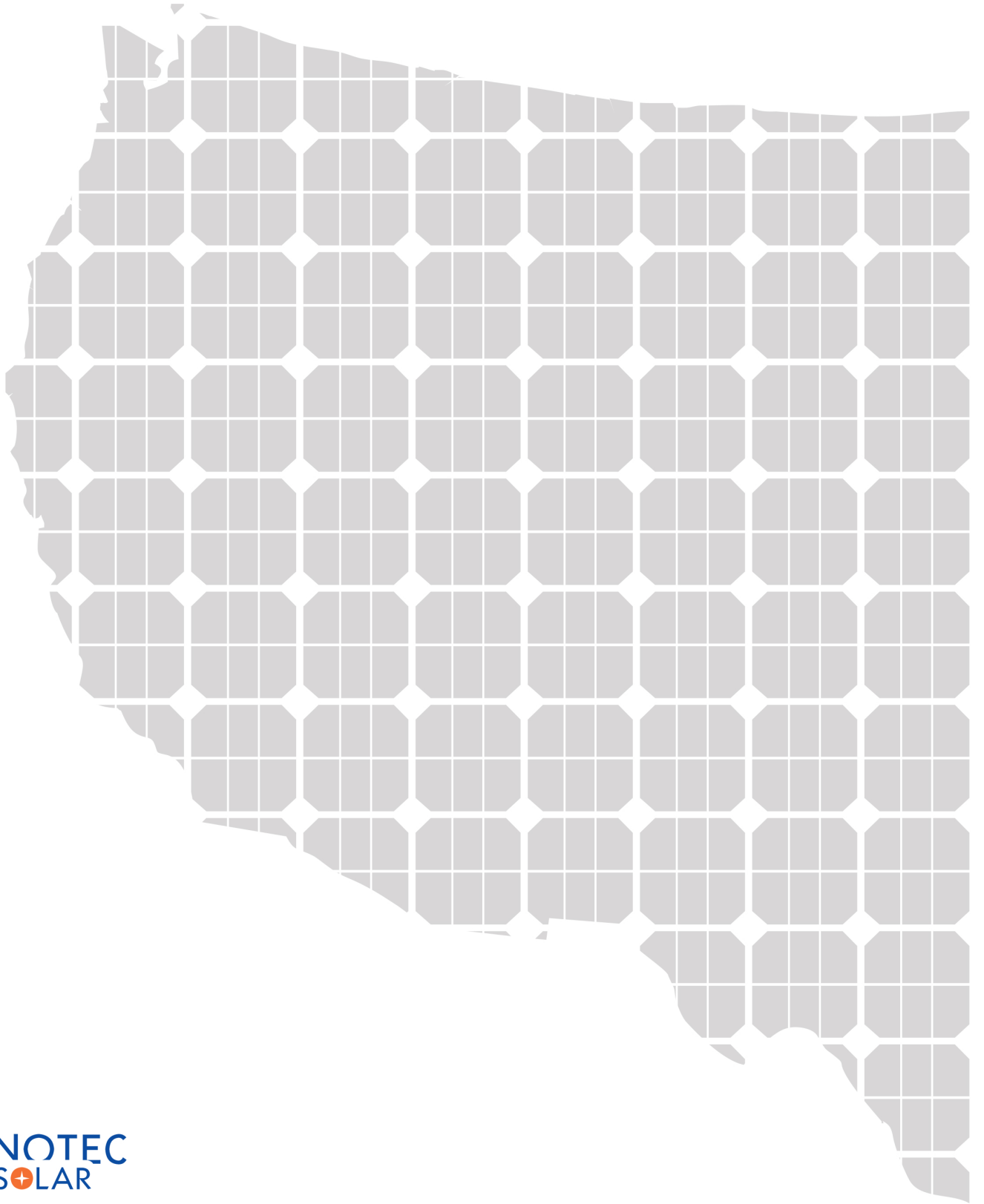
## + CHARACTERISTICS

Temperature Coefficient of Voc	-0.2653%°C
Temperature Coefficient of Isc	0.0052%°C
Temperature Coefficient of Pmax	-0,3955%°C
Nominal Operating Cell Temperature (NOCT)	45±2°C
Module Fire Performance	Type 1
Design Snow Load	5400 Pa
Design Wind Load	2400 Pa
Maximum System Voltage	1500 VDC
Maximum Series Fuse Ratin	20A

## + ENGINEERING DRAWINGS



STC:Irradiance 1000W/m<sup>2</sup>  
 Cell Temperature 25°C AM=1.5  
 NOCT: Irradiance 800W Im'  
 Power measurement tolerance: 3%



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[www.sinotecsolar.com](http://www.sinotecsolar.com)