

QUALITY
RELIABILITY
TRUE VALUE

Buy American and Reduce Your Carbon Footprint

MONO MODULE

60 CELL PERC
300W, 305W, 310W



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

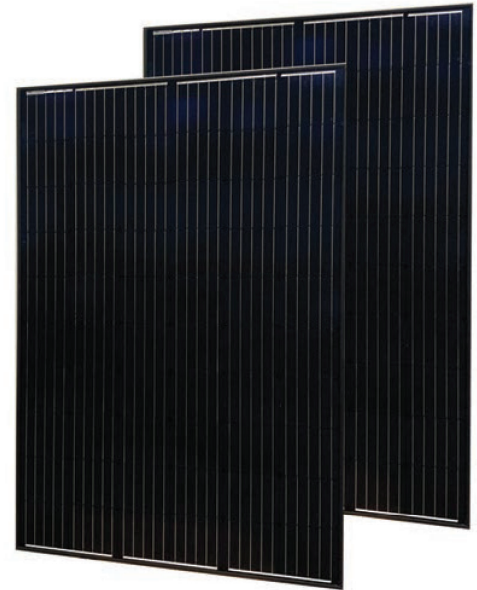
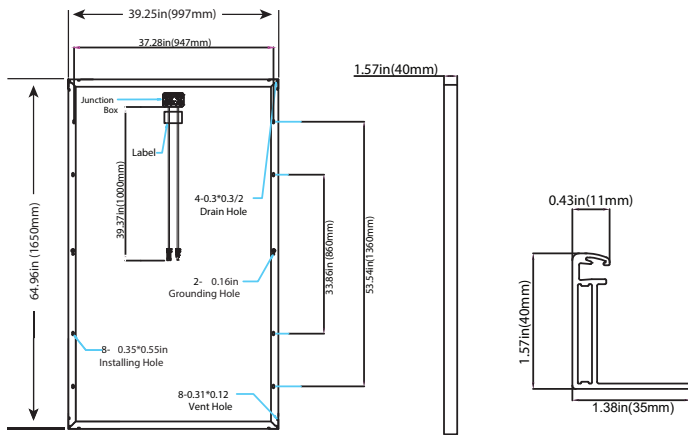
MADE IN CALIFORNIA



02

25 YEARS
LINEAR WARRANTY
12 YEARS
WORKMANSHIP
WARRANTY



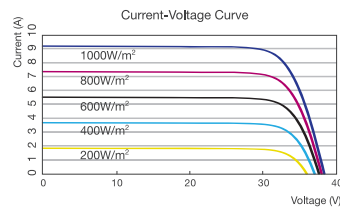


Mono Module

60 CELL 300W, 305W, 310W

| Electrical Specifications | SST-300MB | SST-305MB | SST-310MB |
|-----------------------------|-----------|-----------|-----------|
| Maximum Power(Pmax) | 300W | 305W | 310W |
| Power Tolerance | 0~+5W | 0~+5W | 0~+5W |
| Module Efficiency | 18.24% | 18.54% | 18.84% |
| Maximum Power Current(Imp) | 9.33A | 9.44A | 9.56A |
| Maximum Power Voltage(Vmp) | 32.25V | 32.35V | 32.46V |
| Short Circuit Current (Isc) | 9.78A | 9.89A | 10.1A |
| Open Circuit Voltage (Voc) | 39.82V | 39.98V | 40.1V |

IV-CURVE



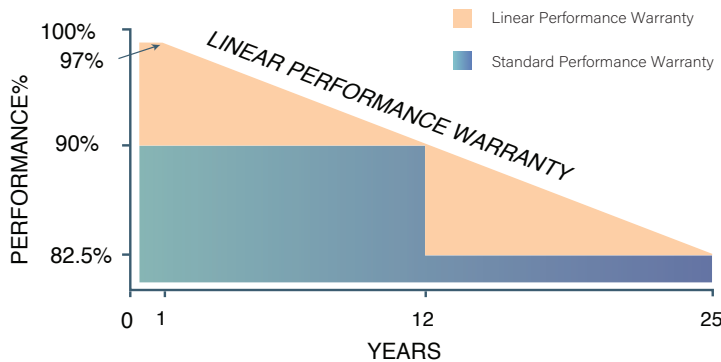
Mechanical Data

| | |
|----------------------------|--|
| 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/IP67rated,with bypass diodes |
| Dimension | *64.96x39.25x1.57in.(1650x997x40mm) |
| Output Cable | 4mm ² (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

SunSpark: DNV GL PVEL

| | |
|------------------------------|---------------------------------|
| ◆ T/C 200 | ◆ T/C 600 |
| ◆ DH 1000 | ◆ DH 2000 |
| ◆ UV 60 kWhm ² | ◆ UV 90 kWhm ² |
| ◆ MEL 2400Pa@3 Cycle | ◆ DML 1K Cycle+TC50+HF10 |
| ◆ PID N/A | ◆ PID196h |
| ◆ Field outdoor exposure N/A | ◆ 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 |

