

QUALITY
RELIABILITY
TRUE VALUE



SunSpark
Technology Inc.

Buy American and Reduce Your Carbon Footprint

MONO MODULE

60 CELL PERC
310W



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

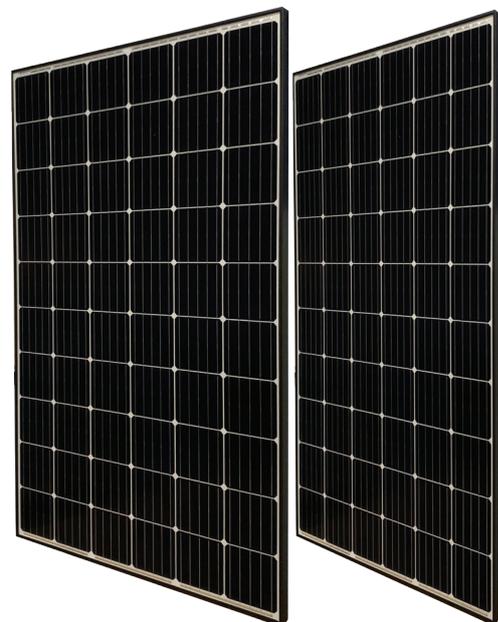
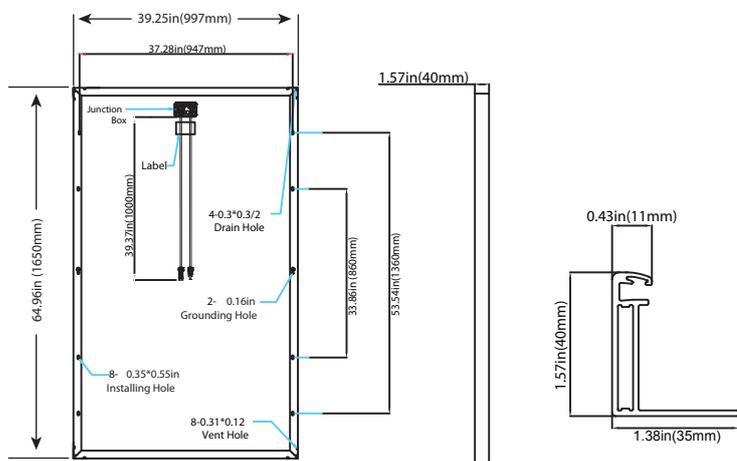
MADE IN CALIFORNIA



02

25 YEARS
LINEAR WARRANTY
12 YEARS
WORKMANSHIP
WARRANTY





Mono Module

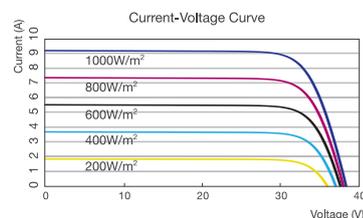
60 CELL 310W

Electrical Specifications

SST-310M

Maximum Power(P _{max})	310W
Power Tolerance	0~+5W
Module Efficiency	18.84%
Maximum Power Current(I _{mp})	9.56A
Maximum Power Voltage(V _{mp})	32.46V
Short Circuit Current (I _{sc})	10.1A
Open Circuit Voltage (V _{oc})	40.1V

IV-CURVE



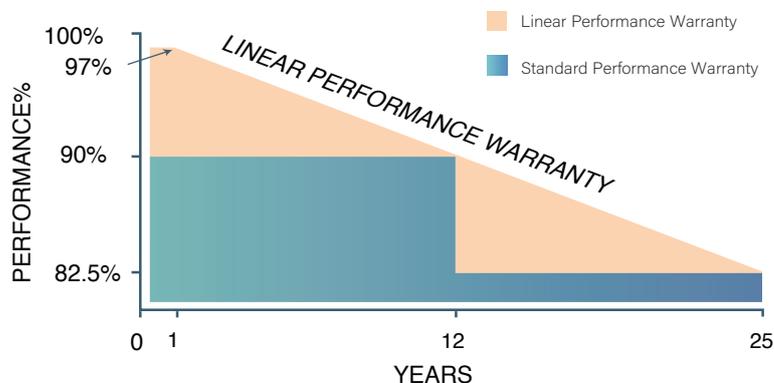
Mechanical Data

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 P _{max}	-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

