

## Mono Module

60 cell 305W, 310W, 315W, 320W\*



Industry leading lowest thermal co-efficient of power



Excellent low irradiance performance



Excellent PID resistance



Positive tight power tolerance of +5W

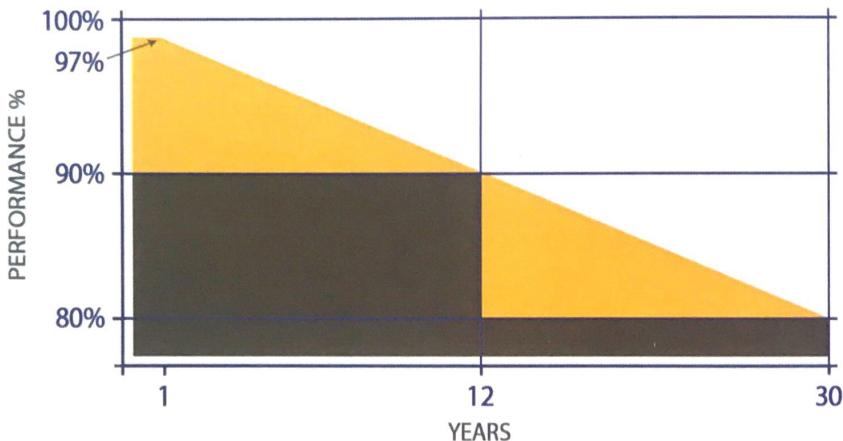


Double stage 100% EL inspection warranting defect-free products, with 8 high tech cameras to zoom in for a closer examination



Certified to withstand severe environmental conditions:  
 1. Severe salt mist, ammonia & blown sand resistance for seaside, farm and desert environments.  
 2. Dynamic mechanical load test by 1000 cycles +50TC + 10HF

### LINEAR PERFORMANCE WARRANTY



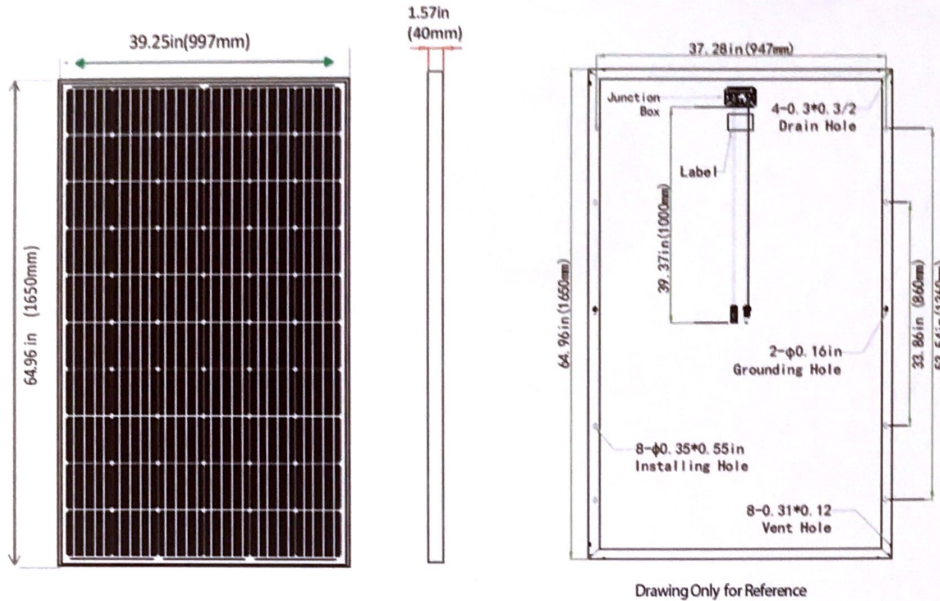
\*Wattages coming in Summer 2019

### CERTIFICATIONS



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## Dimensions

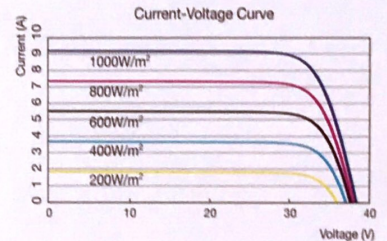


## Electrical Specifications

	SST-305M	SST-310M	SST-315M	SST-320M
Maximum Power(Pmax)	305W	310W	315W	320W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	18.54%	18.84%	19.15%	19.45%
Maximum Power Current(Imp)	9.33A	9.38A	9.45A	9.53A
Maximum Power Voltage (Vmp)	32.70V	33.05V	33.34V	33.58V
Short Circuit Current (Isc)	9.88A	9.92A	9.99A	10.06A
Open Circuit Voltage (Voc)	40.55V	40.71V	41.07V	41.57V

Values at Standard Test Conditions STC(Air Mass AM1.5, Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25 °C)

## IV-CURVE



## Mechanical Data

Cell Type	Mono crystalline 5BB, 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	42.8 lbs(19.4kg)
Installation Hole Location	See Drawing Above

## Characteristics

Temperature Coefficient of Voc	-0.33%/°C
Temperature Coefficient of Isc	0.035%/°C
Temperature Coefficient of Pmax	-0.47%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°
Module Fire performance	Type 2
Static Snow Load	5400 Pa / 113 psf
Static Wind Load	2400 Pa / 50 psf
Maximum System Voltage	1000 VDC
Maximum Series Fuse Rating	15A

26pcs/pallet, 52pcs/stack, 936pcs/53' container

## SunSpark Technology Inc.

3080 12th Street, Riverside, CA 92507

Tel: 951-342-3050

Fax: 951-342-3049

E-mail: Sales@sunsparkusa.com

Website: www.sunsparkusa.com

## 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

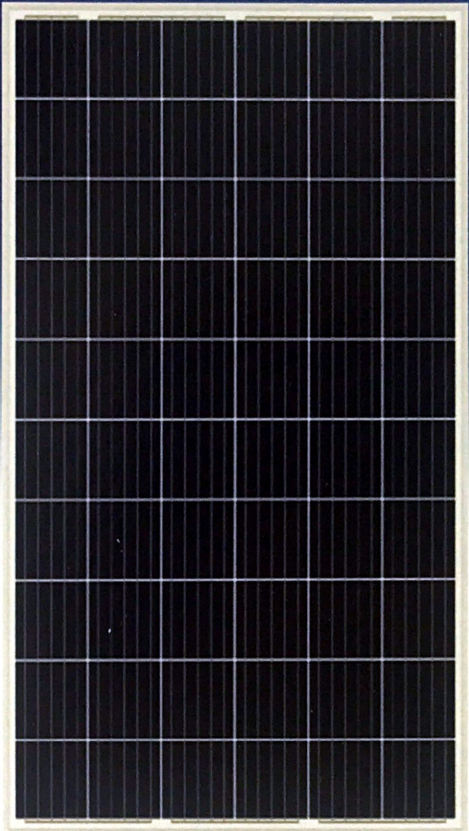
- ☑ T/C 600
- ☑ DH 2000
- ☑ UV 90 kwhm<sup>2</sup>
- ☑ DML 1K Cycle+TC50+HF10
- ☑ PID 196h
- ☑ Field outdoor exposure 1 year

## GTM PV Module Reliability Scorecard

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

## Poly Module

60 cell 260W, 265W, 270W, 275W, 280W



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Positive tight power tolerance of +5W

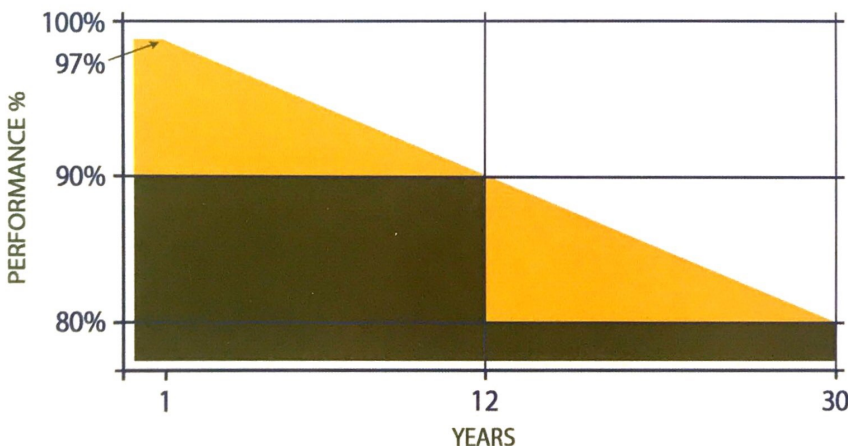


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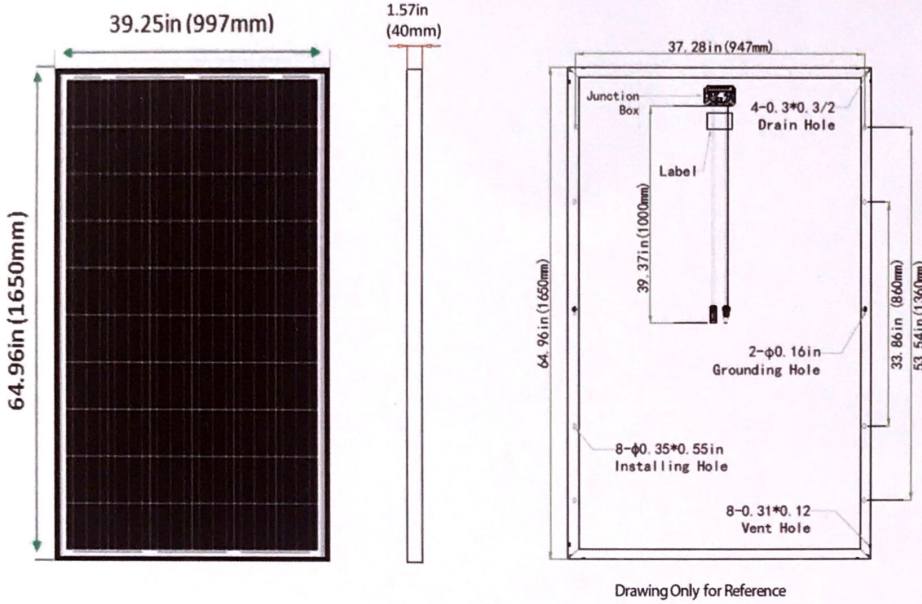


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### Dimensions

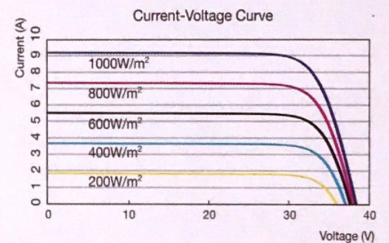


### Electrical Specifications

	SST-260P	SST265P	SST-270P	SST-275P	SST-280P
Maximum Power(Pmax)	260W	265W	270W	275W	280W
Power Tolerance	0~+5w	0~+5w	0~+5w	0~+5w	0~+5w
Module Efficiency	15.80%	16.11%	16.41%	16.72%	17.02%
Maximum Power Current(Imp)	8.37A	8.44A	8.61A	8.73A	8.86A
Maximum Power Voltage (Vmp)	31.1V	31.4V	31.36V	31.50V	31.61V
Short Circuit Current (Isc)	8.98A	9.03A	9.12A	9.26A	9.40A
Open Circuit Voltage (Voc)	38.1V	38.6V	38.89V	39.03V	39.15V

Values at Standard Test Conditions STC(Air MassAM1.5,Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25)

### IV-CURVE



### Mechanical Data

Cell Type	Poly crystalline 5BB, 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. (1950x997x40mm)
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	-0.30%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.40%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°
Module Fire performance	Type 2
Static Snow Load	5400 Pa / 113 psf
Static Wind Load	2400 Pa / 50 psf
Maximum System Voltage	1000 VDC
Maximum Series Fuse Rating	15A
26pcs/pallet, 52pcs/stack, 936pcs/53' container	

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- ☑ MEL 2400Pa@3 Cycle
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- ☑ Field outdoor exposure N/A

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DH	2,000 hours	0.06	X
MEL	1, 1,000 cycles at 1,440 pa	-0.4	X
	2, TC 50		
	3, HF 10		
PID	-1000V@192 hours	2.11	X

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