

QUALITY  
RELIABILITY  
TRUE VALUE



# SunSpark

Technology Inc.

Buy American and Reduce Your Carbon Footprint

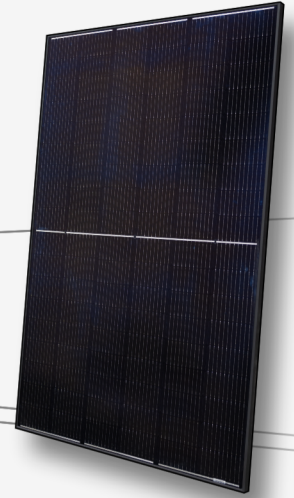
# MONO MODULE

**SST7F54M(H)**

108 Pcs

Half-Cut Black

**400W-415W**



### Better Temperature Coefficient

Excellent temperature coefficient gives higher yield in the long term



### Low-light Performance

Outstanding performance in weak-light conditions



**PID**

### PID Free

Excellent PID resistance



**+**

### Positive Tolerance

Positive tight power tolerance of +5W



**2  
EL**

### Quality Assurance

Double state 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

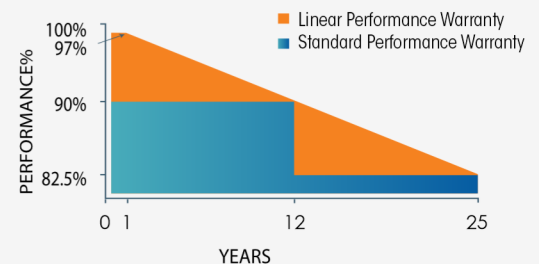
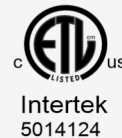


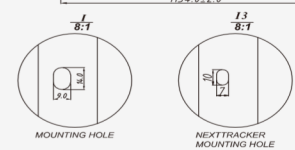
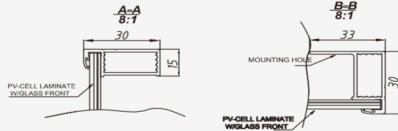
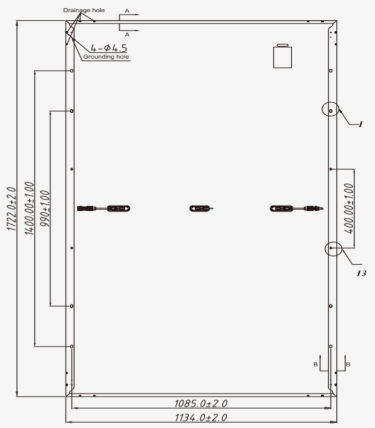
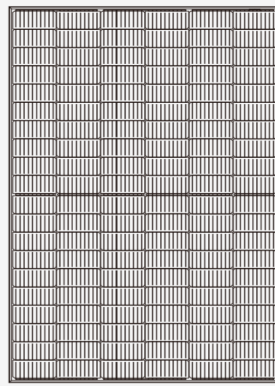
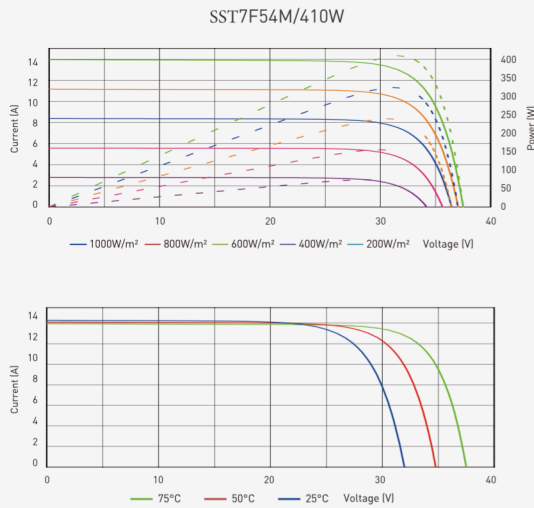
MADE IN CALIFORNIA



LINEAR WARRANTY

12 YEARS  
WORKMANSHIP  
WARRANTY





## 108 Pcs Half-Cut Black 400W~415W

### ELECTRICAL CHARACTERISTICS AT STC

Type	SST7F54M(H)-400	SST7F54M(H)-405	SST7F54M(H)-410	SST7F54M(H)-415
Maximum Power (Pmax/W)	400	405	410	415
Operating Voltage (Vmpp/V)	31.05	31.24	31.43	31.64
Operating Current (Impp/A)	12.89	12.97	13.05	13.13
Open-Circuit Voltage (Voc/V)	37.00	37.25	37.50	37.75
Short-Circuit Current (Isc/A)	13.78	13.86	13.94	14.02
Module Efficiency (%)	20.50	20.70	21.00	21.30
Operating Temperature	-40°C to +85°C			
Maximum System Voltage	1000V DC/1500V DC			
Safety Protection Class	Class II			
Maximum Series Fuse Rating	25A			

STC: Irradiance 1000W/m², Cell temperature: 25°C, AM1.5, tolerance of Pmax: ±3%, Measurement tolerance: ±3%

### ELECTRICAL CHARACTERISTICS NOCT

	298	302	306	310
Maximum Power (Pmax/W)				
Operating Voltage (Vmpp/V)	29.0	29.2	29.3	29.6
Operating Current (Impp/A)	10.30	10.36	10.42	10.48
Open-Circuit Voltage (Voc/V)	34.8	35.1	35.3	35.5
Short-Circuit Current (Isc/A)	11.11	11.17	11.24	11.30

NOCT: Irradiance 800W/m², Ambient temperature: 20°C, Wind speed: 1m/s

### TEMPERATURE CHARACTERISTICS

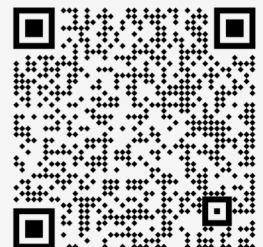
Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of Pmax	-0.35%/°C
Temperature Coefficients of Voc	-0.26%/°C
Temperature Coefficients of Isc	0.048%/°C

### PACKAGING

Standard packaging	36pcs/pallet
Module quantity per 53' container	864pcs

### MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline PERC 182*91mm
Number of cells	108 (6x18)
Module dimensions	1722x1134x30mm (67.80x44.65x1.18inches)
Weight	21.5kg (47.4lbs)
Front cover	3.2mm (0.13inches) tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP68, 3 diodes
Cable	4mm² (IEC), 12AWG(UL) 300mm in length or customized length
Connector	T01/LJQ-3-CSY/MC4/MC4-EVO2



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