

QUALITY
RELIABILITY
TRUE VALUE



SunSpark

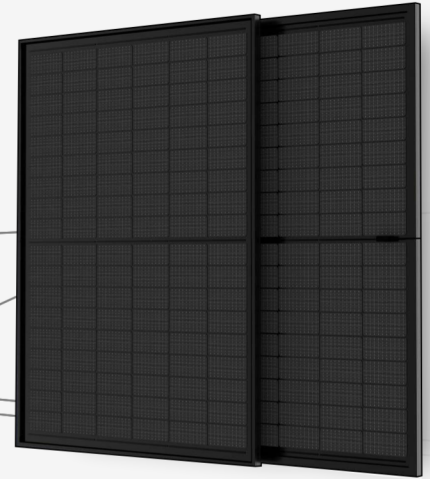
Technology Inc.

Buy American and Reduce Your Carbon Footprint

MONO MODULE

SST7F54M(H)

108 Pcs
Half-Cut Black
Bifacial Module With
Transparent Backsheet
400W-410W



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

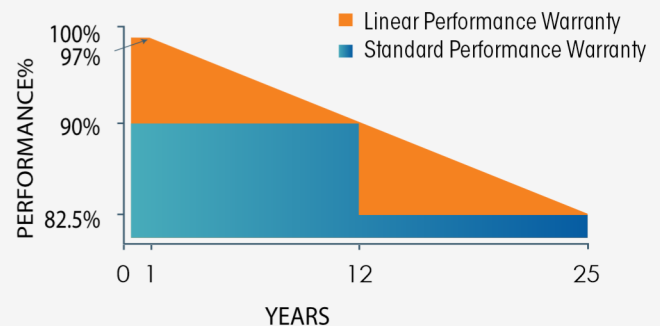


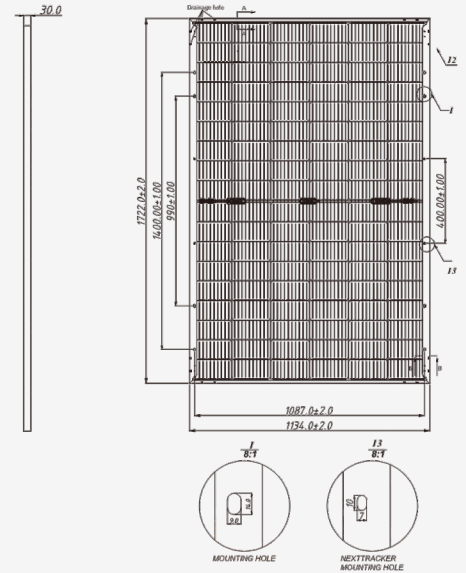
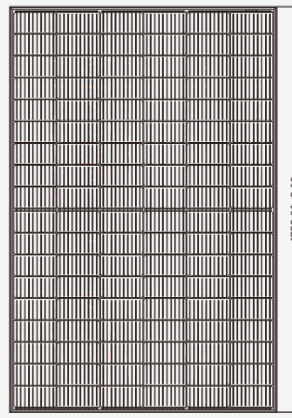
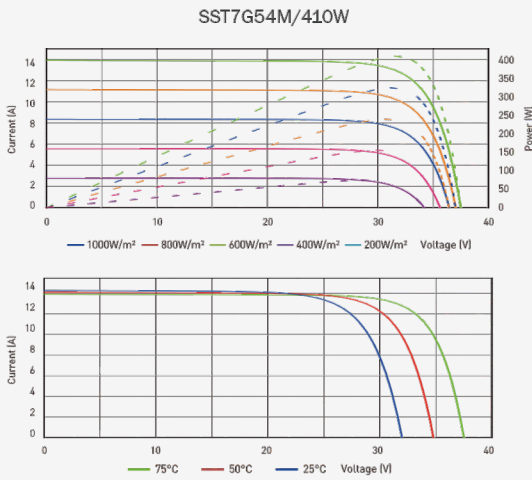
MADE IN CALIFORNIA



LINEAR WARRANTY

12 YEARS
WORKMANSHIP
WARRANTY





108 Pcs Half-Cut Black 400W~410W

ELECTRICAL CHARACTERISTICS AT STC

Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	390	291	395	294	400	298	405	302	410	306
Operating Voltage (Vmp/V)	30.65	28.6	30.85	28.8	31.05	29.0	31.24	29.2	31.43	29.3
Operating Current (Imp/A)	12.73	10.18	12.81	10.23	12.89	10.30	12.97	10.36	13.05	10.42
Open-Circuit Voltage (Voc/V)	36.50	34.4	36.75	34.6	37.00	34.8	37.25	35.1	37.50	35.3
Short-Circuit Current (Isc/A)	13.61	10.97	13.69	11.04	13.78	11.11	13.86	11.17	13.94	11.24
Module Efficiency (%)	20.00		20.20		20.50		20.70		21.00	

STC: Irradiance 1000W/m², Spectra at AM1.5, Module Temperature 25°C. Power output tolerance: 0~+5W, Test uncertainty for Pmax: ± 3%
 NMOT: Irradiance 800W/m², Spectra at AM1.5, Ambient Temperature 20°C Wind speed 1m/s

REAR SIDE POWER GAIN(REFERENCE TO 410W FRONT)

Pmax gain	5%	10%	15%	20%	25%
Pmax/W	431	451	472	492	513
Vmp/V	31.43	31.43	31.43	31.43	31.43
Imp/A	13.70	14.36	15.01	15.66	16.31
Voc/V	37.50	37.50	37.50	37.50	37.50
Isc/A	14.65	15.35	16.04	16.74	17.44

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

APPLICATION CONDITIONS

Maximum System Voltage	1000V/1500V/DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	30A
Safety Protection Class	Class II
Mechanical Load	Front side 5400Pa, Back side 2400Pa
Refer. Bifaciality Factor	70%+5%/-10%

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



3080 12th St,
Riverside, CA 92507

☎ 951.342.3050

✉ sales@sunsparkusa.com



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