



Quality. Durability. American Made.



MONO MODULE

SST7G72M-XXX
144 Pcs Half-Cut
Bifacial Dual Glass
530W~550W



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



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

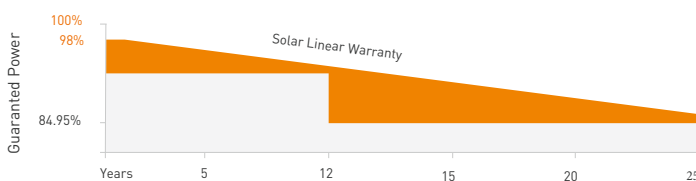


- Severe salt mist, ammonia & blown
- Certified for high snow(5400 pa) and wind (2400 pa) loads



Linear Performance Warranty

Standard Performance Warranty



MADE IN THE USA



02

25 YEARS
LINEAR WARRANTY
12 YEARS WORKMANSHIP
WARRANTY

ELECTRICAL CHARACTERISTICS

Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (P_{max})	530	395	535	398	540	402	545	406	550	410
Voltage at Maximum Power (V_{mp})	41.32	38.6	41.48	38.7	41.64	38.8	41.80	39.0	41.96	39.1
Current at Maximum Power (I_{mp})	12.83	10.24	12.90	10.30	12.97	10.36	13.04	10.41	13.11	10.47
Open Circuit Voltage (V_{oc})	49.32	46.4	49.46	46.5	49.60	46.7	49.76	46.8	49.92	47.0
Short Circuit Current (I_{sc})	13.72	11.06	13.79	11.12	13.86	11.17	13.93	11.23	14.00	11.28
Module Efficiency (%)	20.50		20.70		20.90		21.10		21.30	
Operating Temperature	-40°C to +85°C									
Maximum System Voltage	1500V DC									
Safety Protection Class	Class II									
Maximum Series Fuse Rating	30A									
Refer. Bifaciality factor	70%±5%									

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

REAR SIDE POWER GAIN(REFERENCE TO 530W FRONT)

	5%	10%	15%	20%	25%
P _{max} gain					
P _{max} /W	557	583	610	636	663
V _{mpp} /V	41.32	41.32	41.32	41.32	41.32
I _{mpp} /A	13.47	14.11	14.75	15.40	16.04
V _{oc} /V	49.32	49.31	49.32	49.32	49.32
I _{sc} /A	14.41	15.09	15.78	16.46	17.15

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline 182*182mm
Number of cells	144 (6x24)
Module dimensions	2278x1134x30mm (89.69*44.65*1.18 inches)
Weight	31.8kg (70.11lbs)
Front Glass	2.0mm tempered glass with AR coating
Back Glass	2.0mm Glazed Semi-tempered glass
Junction box	IP68, 3 Bypass diodes
Cable	4mm ² (0.006inches ²), 300mm in length or Customized
Mechanical Load	Front side 5400Pa, Back side 2400Pa
Connector	T01/LJQ-3-CSY/MC4 /MC4 -EV02

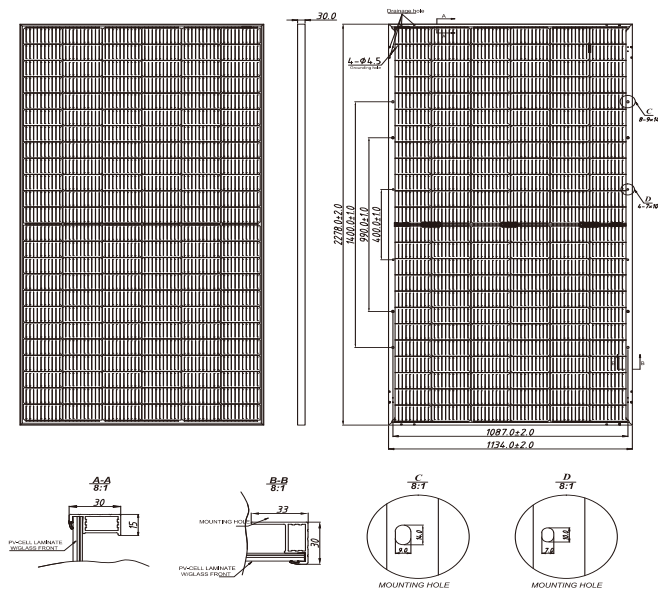
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of P _{max}	-0.35%/°C
Temperature Coefficients of V _{oc}	-0.26%/°C
Temperature Coefficients of I _{sc}	0.048%/°C

PACKAGING

Standard packaging	36pcs/pallet
Module quantity per 53' container	576 pcs

ENGINEERING DRAWINGS



IV CURVES

