

KEY FEATURES



16BB Half-cut Cell Technology

Lower LID/LeTID degradation and better low light performance
Attenuation $\leq 1\%$ (1st year) / $\leq 0.4\%$ (Linear)



Industry Leading High Yield

Bifacial TOPCon cell technology,
Dual-sided power generation gain from back side depending on
albedo, significantly reduce LCOE



Excellent Anti-PID Performance

192 hours Anti-PID test



ELECTRICAL CHARACTERISTICS

Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	490	376	495	378	500	381	505	385	510	387
Operating Voltage (Vmpp/V)	32.97	31.01	33.14	31.17	33.38	31.34	33.63	31.58	33.87	31.75
Operating Current (Impp/A)	14.86	12.11	14.94	12.13	14.98	12.16	15.02	12.19	15.06	12.20
Open-Circuit Voltage (Voc/V)	39.60	37.64	39.85	37.80	40.09	38.05	40.34	38.29	40.58	38.54
Short-Circuit Current (Isc/A)	15.80	12.73	15.83	12.75	15.86	12.78	15.89	12.80	15.91	12.82
Module Efficiency [%]	21.90		22.10		22.30		22.50		22.80	

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 500W FRONT)

Pmax gain	5%	10%	15%	20%	25%
Pmax/W	525	550	575	600	625
Vmpp/V	33.38	33.38	33.38	33.38	33.38
Impp/A	15.73	16.48	17.23	17.98	18.73
Voc/V	40.09	40.09	40.09	40.09	40.09
Isc/A	16.65	17.45	18.24	19.03	19.83

MECHANICAL CHARACTERISTICS

Cell Type	N-type Mono-Crystallin (16Busbar)
No. of Cells	108pcs in series (6*18)
Module Dimensions	1976*1134*30mm (77.80*44.65*1.18inches)
Weight	28.1kg (61.95lbs)
Front Glass	2.0mm AR Coating Semi-tempered Glass
Back Glass	2.0mm Glazed Semi-tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Output Cables	4mm ² (IEC), 12AWG(UL) 350mm(+),250mm(-) or Customized Length
Connectors	T01/LJQ-3-CSY/MC4/MC4-EV02

APPLICATION CONDITIONS

Maximun System Voltage	1500V/DC
Operating Temperature	-40°C~+85°C
Maximun Series Fuse	35A
Safety Protection Class	Class II
Mechanical Load	Front side 5400Pa, Back side 2400Pa
Refer. Bifaciality Factor	80%±5%

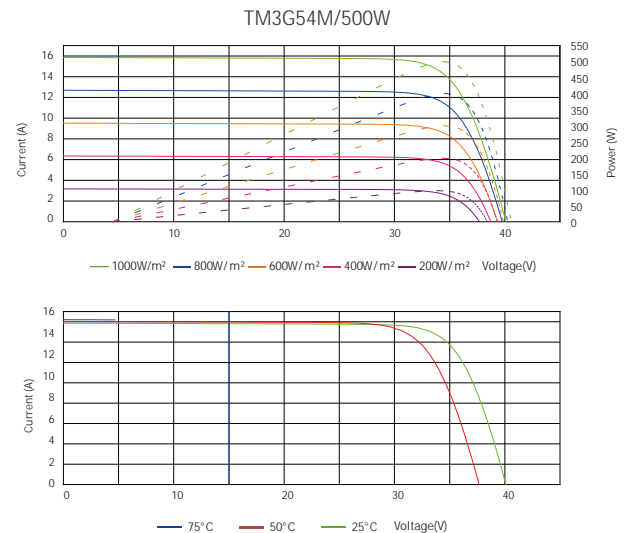
TEMPERATURE CHARACTERISTICS

Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.043%/°C
Nominal Module Operating Temperature(NMOT)	43±2°C

PACKING CONFIGURATION

Pieces Per Pallet	36	36(USA)
Pieces Per Container(40'HQ)	864	648

Electrical Performance



TECHNICAL DRAWINGS



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