





Bifacial PERC cell technology, 5%-25% more yield depends on different conditions



Excellent Anti-PID Performance

2 times of industry standard Anti-PID test





ELECTRICAL CHARACTERISTICS

Testing Condition	STC	NMOT								
Maximum Power (Pmax/W)	530	395	535	398	540	402	545	406	550	410
Operating Voltage (Vmpp/V)	41.32	38.6	41.48	38.7	41.64	38.8	41.80	39.0	41.96	39.1
Operating Current (Impp/A)	12.83	10.24	12.90	10.30	12.97	10.36	13.04	10.41	13.11	10.47
Open-Circuit Voltage (Voc/V)	49.32	46.4	49.46	46.5	49.60	46.7	49.76	46.8	49.92	47.0
Short-Circuit Current (Isc/A)	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

STC: Irradiance 1000W/m², Spectra at AM1.5, Module Temperature 25 $^{\circ}$. Power output tolerance: 0~+5W, Test uncertainty for Pmax: $\pm 3\%$ NMOT: Irradiance 800W/m², Spectra at AM1.5, Ambient Temperature 20 $^{\circ}$, Wind speed 1m/s

REAR SIDE POWER GAIN(REFERENCE TO 530W FRONT)

Pmax gain	5%	10%	15%	20%	25%
Pmax/W	557	583	610	636	663
Vmpp/V	41.32	41.32	41.32	41.32	41.32
Impp/A	13.47	14.11	14.75	15.40	16.04
Voc/V	49.32	49.32	49.32	49.32	49.32
Isc/A	14.41	15.09	15.78	16.46	17.15

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline Silicon (10Busbar)		
No. of Cells	144pcs in series (6*24)		
Module Dimensions	2278*1134*30mm (89.69*44.65*1.18inches)		
Weight	31.8kg (70.11lbs.)		
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	4mm² (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	30A		
Safety Protection Class	Class II		
Mechanical Load	Front side 5400Pa, Back side 2400Pa		
Refer. Bifaciality Factor	70%±5%		

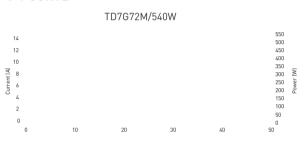
TEMPERATURE CHARACTERISTICS

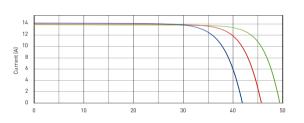
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	+0.048%/°C
Nominal Module Operating	43+2°C
Temperature(NMOT)	43±2°C

PACKING CONFIGURATION

Pieces Per Pallet	36	36(USA)
Pieces Per Container(40'HQ)	720	576

I-V CURVE





TECHNICAL DRAWINGS

