

BISTAR

TP6L72M TP6L72M(H) **144-cell**

435 - 455W 9BB Half-cut Mono Perc

SYSTEM & PRODUCT CERTIFICATES

- IEC 61215 / IEC 61730 / UL 61703
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety Management Systems



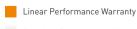




PERFORMANCE WARRANTY







Standard Performance Warranty







9BB Half-cut Cell Technology

New circuit design, lower internal current, lower Rs loss Ga dopped wafer, attenuation < 2% (1st year) $/ \le 0.55\%$ (Linear)



Significantly Lower the Risk of Hot Spot

Special circuit design with much lower hot spot temperature



Excellent Anti-PID Performance

2 times of industry standard Anti-PID test



Wider Application

No water-permeability and high wear-resistance, can be widely used in high-humid, windy and dusty area



IP68 Junction Box

High waterproof level

ELECTRICAL CHARACTERISTICS

Testing Condition	STC	NMOT								
Maximum Power (Pmax/W)	435	324	440	328	445	332	450	335	455	339
Operating Voltage (Vmpp/V)	40.3	37.6	40.5	37.8	40.7	38.0	40.9	38.2	41.1	38.4
Operating Current (Impp/A)	10.80	8.62	10.87	8.67	10.94	8.73	11.01	8.78	11.08	8.84
Open-Circuit Voltage (Voc/V)	49.0	45.6	49.2	45.8	49.4	46.0	49.6	46.2	49.8	46.4
Short-Circuit Current (Isc/A)	11.33	9.15	11.40	9.20	11.47	9.26	11.54	9.32	11.61	9.37
Module Efficiency (%)	20.	00	20	.20	20.	.40	20	.70	20	.90

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

MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline 166*166mm		
No. of Cells	144 (6*24)		
Module Dimensions	2094*1038*35mm (82.44*40.87*1.38inches)		
Weight	23.5kg (51.81lbs)		
Front Glass	3.2mm AR Coating Tempered Glass		
Frame	Anodized Aluminium Alloy		
Junction Box	IP68, 3 Bypass Diodes		
Output Cables	4mm² (IEC), 12AWG(UL) 300mm in Length or Customized Length		
Connectors	T01/LJQ-3-CSY/MC4/MC4-EV02		

APPLICATION CONDITIONS

Maximun System Voltage	1000V/1500V/DC
Operating Temperature	-40°C~+85°C
Maximun Series Fuse	20A
Safety Protection Class	Class II
Mechanical Load (Front side)	5400Pa
Mechanical Load (Back side)	2400Pa

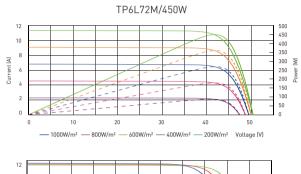
TEMPERATURE CHARACTERISTICS

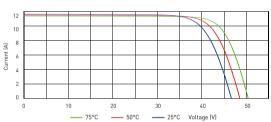
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	+0.043%/°C
Nominal Module Operating Temperature(NMOT)	43±2°C

PACKING CONFIGURATION

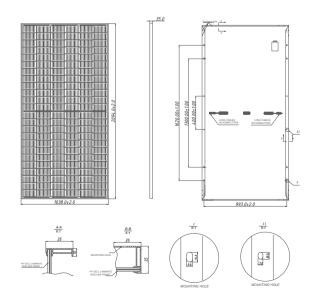
Pieces Per Pallet	31	31(USA)
Pieces Per Container(40'HQ)	715	682

I-V CURVE





TECHNICAL DRAWINGS





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