

BISTAR

тм7f72м тм7f72м(н) **144-cell**

560 - 580W 16BB Half-cut Mono N-type

SYSTEM & PRODUCT CERTIFICATES

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



PERFORMANCE WARRANTY



KEY FEATURES



16BB Half-cut Cell Technology

New circuit design, lower internal current, lower Rs loss Ga dopped wafer, attenuation ${<}1\%$ [1st year] / ${\leq}0.4\%$ [Linear]



Significantly Lower the Risk of Hot Spot Special circuit design with much lower hot spot temperature



Lower LCOE 2% more power generation, lower LCOE

PID

Excellent Anti-PID Performance 2 times of industry standard Anti-PID test



IP68 Junction Box High waterproof level

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* GL-EN-Version 2023.09.25

ELECTRICAL CHARACTERISTICS

Testing Condition	STC	NMOT								
Maximum Power (Pmax/W)	560	426	565	430	570	434	575	438	580	442
Operating Voltage (Vmpp/V)	41.95	40.00	42.14	40.20	42.29	40.40	42.80	40.60	42.66	40.70
Operating Current (Impp/A)	13.35	10.65	13.41	10.70	13.48	10.75	13.54	10.80	13.60	10.84
Open-Circuit Voltage (Voc/V)	50.67	48.10	50.87	48.30	51.07	48.50	51.27	48.70	51.47	48.90
Short-Circuit Current (Isc/A)	14.13	11.39	14.19	11.44	14.25	11.49	14.31	11.53	14.37	11.58
Module Efficiency (%)	21.	68	21.	88	22.	.07	22	.27	22	.46

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

MECHANICAL CHARACTERISTICS

Cell Type	N-type Mono-Crystallin (16Busbar)		
No. of Cells	144pcs in series (6*24)		
Module Dimensions	2278*1134*35mm (89.69*44.65*1.38inches)		
Weight	28kg (61.73lbs.)		
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	25A
Safety Protection Class	Class II
Mechanical Load (Front side)	5400Pa
Mechanical Load (Back side)	2400Pa

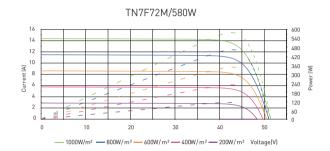
TEMPERATURE CHARACTERISTICS

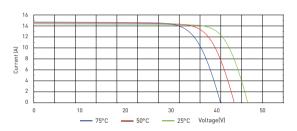
Temperature Coefficient of Pmax	-0.30%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.046%/°C
Nominal Module Operating Temperature(NMOT)	43±2°C

PACKING CONFIGURATION

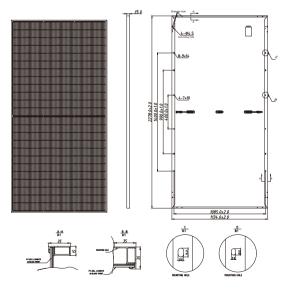
Pieces Per Pallet	31	31(USA)
Pieces Per Container(40'HQ)	620	620

I-V CURVE





TECHNICAL DRAWINGS





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