

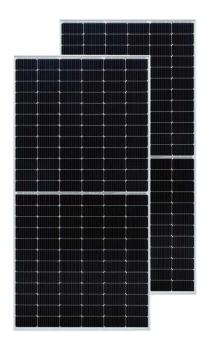
BISTAR

TP7F72M TP7F72M(H)

144 half-cell

530 - 550W

10BB half-cut mono perc



KEY FEATURES



10BB half-cut cell technology

New circuit design, lower internal current, lower Rs loss Ga-doped wafer, attenuation<2% (1st year) / ≤0.55% (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



Excellent Anti-PID performance

2 times of industry standard Anti-PID test by TUV SUD



IP68 junction box

High waterproof level

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







Standard Performance Warranty



marketing.hq@talesun.com

ELECTRICAL PARAMETERS						
Performance at STC (Power Tolerance 0 ~ +3%)						
Maximum Power (Pmax/W)	530	535	540	545	550	
Operating Voltage (Vmpp/V)	41.7	41.8	41.9	42.0	42.1	
Operating Current (Impp/A)	12.71	12.80	12.89	12.98	13.07	
Open-Circuit Voltage (Voc/V)	49.5	49.6	49.7	49.8	49.9	
Short-Circuit Current (Isc/A)	13.44	13.53	13.62	13.71	13.80	
Module Efficiency ηm(%)	20.5	20.7	20.9	21.1	21.3	
Performance at NMOT						
Maximum Power (Pmax/W)	394	398	402	405	409	
Operating Voltage (Vmpp/V)	38.8	38.9	39.0	39.1	39.2	
Operating Current (Impp/A)	10.16	10.23	10.30	10.37	10.44	
Open-Circuit Voltage (Voc/V)	46.3	46.4	46.5	46.6	46.7	
Short-Circuit Current (Isc/A)	10.83	10.91	10.98	11.05	11.12	
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MECHANICAL SPECIFIC	ATION
Cell Type	Monocrystalline
Cell Dimensions	182*182mm
Cell Arrangement	144 (6*24)
Weight	29kg (63.9lbs.)
Module Dimensions	2279*1134*35mm (89.72*44.65*1.38inches)
Cable Length	Portrait 300mm/Landscape 1200mm/Customized
Cable Cross Section Size	TUV: 4mm² (0.006inches²)/UL: 12AWG
Front Glass	3.2mm (0.13inches) AR Coating Tempered Glass
No. of Bypass Diodes	3/6
Packing Configuration (1)	31pcs/carton, 620pcs/40hq
Packing Configuration (for USA)	30pcs/carton, 600pcs/40hq

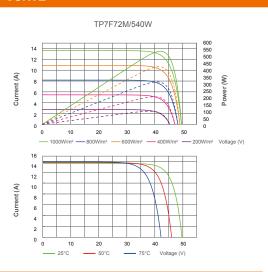
STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5

OPERATING CONDIT	IONS
Maximun System Voltage	1000V/1500V/DC(IEC)
Operating Temperature	-40°C ~ +85°C
Maximun Series Fuse	25A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	T01/LJQ-3-CSY/MC4/MC4-EVO2

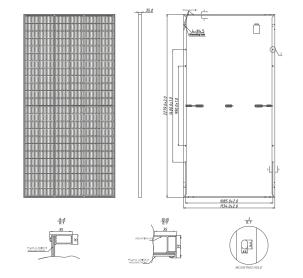
TEMPERATURE COEFFICIENT	
Temperature Coefficient Pmax	-0.36%/°C
Temperature Coefficient Voc	-0.26%/°C
Temperature Coefficient Isc	+0.043%/°C
NMOT	43±2°C

I-V CURVE

NMOT: Irradiance at 800W/m², Ambient Temperatue 20°C, Air Mass AM1.5, Wind Speed 1m/s



TECHNICAL DRAWINGS





Frame

Junction Box

Anodized Aluminium Alloy

IP68