

BISTAR

TP6H60M TP6H60M(H) **120 half-cell**

320 - 340W

half-cut mono perc

KEY FEATURES



Half-cut cell technology New circuit design, lower internal current, lower Rs loss

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Significantly lower the risk of hot spot Special circuit design with much lower hot spot temperature



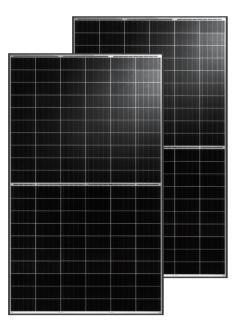
Lower LCOE 2% more power generation, lower LCOE



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 1703
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety Management Systems



PERFORMANCE WARRANTY









ELECTRICAL PARAMETERS						
Performance at STC (Power Tolerance 0 ~ -	+3%)					
Maximum Power (Pmax/W)	320	325	330	335	340	
Operating Voltage (Vmpp/V)	33.5	33.8	34.2	34.6	35.0	
Operating Current (Impp/A)	9.56	9.62	9.66	9.69	9.72	
Open-Circuit Voltage (Voc/V)	40.1	40.3	40.5	40.7	40.9	
Short-Circuit Current (Isc/A)	10.16	10.22	10.26	10.29	10.32	
Module Efficiency ηm(%)	19.0	19.3	19.6	19.9	20.1	
Performance at NMOT						
Maximum Power (Pmax/W)	238.3	241.8	245.6	248.8	252.1	
Operating Voltage (Vmpp/V)	30.9	31.2	31.5	31.8	32.1	
Operating Current (Impp/A)	7.71	7.76	7.80	7.83	7.86	
Open-Circuit Voltage (Voc/V)	37.3	37.5	37.7	37.8	38.0	
Short-Circuit Current (Isc/A)	8.20	8.25	8.28	8.31	8.33	
STC: Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass AM1.5	NMOT: Irradiance at 800W/m ² , Ar	nbient Temperatue 20°	C, Air Mass AM1.5, Wind	Speed 1m/s		

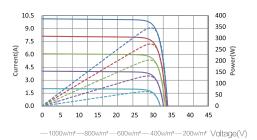
MECHANICAL SPECIFICATION

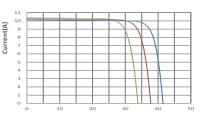
I-V CURVE

Cell Type	Mono-Crystalline Silion (5Busbar)
Cell Dimensions	158.75*158.75mm (6inches)
Cell Arrangement	120 (6*20)
Weight	20.7kg (45.64lbs)
Module Dimensions	1684*1002*35mm (66.3*39.45*1.38inches)
Cable Length (Portrait)	(+)300mm (11.81inches) / (-)300mm (11.81inches)
Cable Length (Landscape)	(+)1200mm (47.24inches) / (-)1200mm (47.24inches)
Cable Cross Section Size	4mm ² (0.006inches ²)
Front Glass	3.2mm High Transmission, Tempered Glass
No. of Bypass Diodes	3/6
Packing Configuration(1)	31pcs/carton, 806pcs/40hq
Packing Configuration(2)	31+4pcs/carton, 858pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

OPERATING CONDITIONS	
Maximun System Voltage	1000V/1500V/DC(IEC)
Operating Temperature	-40°C ~ +85°C
Maximun Series Fuse	20A
Static Loading	5400pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	MC4 Compatible

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

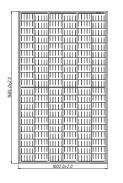


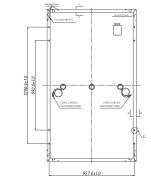


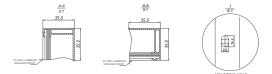
- 75°C - 50°C - 25°C Voltage(V)

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TECHNICAL DRAWINGS







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