

BISTAR

TP6L60M-XXX 120 half-cell

360 - 370W

9BB half-cut mono perc

KEY FEATURES



9BB half-cut cell technology New circuit design, lower internal current, lower Rs loss



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



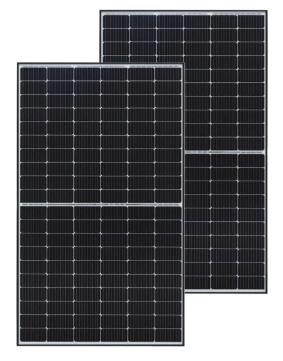
Wider application

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

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IP68 junction box

High waterproof level



SYSTEM & PRODUCT CERTIFICATES

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





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Suzhou Talesun Solar Technologies Co., Ltd



ELECTRICAL PARAMETERS			
Performance at STC (Power Tolerance ±3%; Binning tolerance: 0~+5W)			
Maximum Power (Pmax/W)	360	365	370
Operating Voltage (Vmpp/V)	34.3	34.6	34.9
Operating Current (Impp/A)	10.50	10.56	10.61
Open-Circuit Voltage (Voc/V) (Tolerance ±4%)	40.7	40.9	41.1
Short-Circuit Current (Isc/A) (Tolerance ±4%)	11.15	11.20	11.26
Module Efficiency ηm(%)	19.7	20.0	20.3
Performance at NMOT			
Maximum Power (Pmax/W)	267.7	271.2	274.7
Operating Voltage (Vmpp/V)	31.6	31.9	32.1
Operating Current (Impp/A)	8.46	8.50	8.55
Open-Circuit Voltage (Voc/V)	37.9	38.0	38.2
Short-Circuit Current (Isc/A)	9.00	9.04	9.09
STC: Irradiance 1000W/m ² Coll Tomporature 25°C. Air Macc AM1 5 NMOT: Irradiance at 200W/m ² Ambient Tomporature	ua 20°C Air Maaa AM1	E Wind Crood 1m/o	

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradiance at 800W/m², Ambient Temperatue 20°C, Air Mass AM1.5, Wind Speed 1m/s

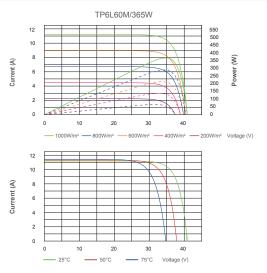
MECHANICAL SPECIFICATION

I-V CURVE

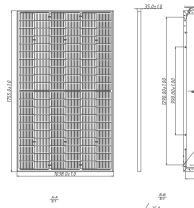
Cell Type	Monocrystalline
Cell Dimensions	166*166mm
Cell Arrangement	120 (6*20)
Weight	21kg (46.3lbs)
Module Dimensions	1755*1038*35mm (69.09*40.87*1.38inches)
Cable Length (Portrait)	(+)300mm (11.81inches) / (-)300mm (11.81inches)
Cable Length (Landscape)	(+)1200mm (47.24inches) / (-)1200mm (47.24inches)
Cable Cross Section Size	4mm ² (0.006inches ²)
Front Glass	3.2mm (0.13inches) AR Coating Tempered Glass
No. of Bypass Diodes	3/6
Packing Configuration	31pcs/carton, 806pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

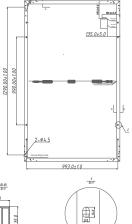
OPERATING CONDITIC	ONS
Maximun System Voltage	1000V/DC(IEC)
Operating Temperature	-40°C ~ +85°C
Maximun Series Fuse	20A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	Ш
Resistance	≥100MΩ
Connector PV-KST4/xy-	UR(male), PV-KBT4/xy-UR(female); T01; LJQ-3
Fire Rating (according to UL790	D) Class C

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



TECHNICAL DRAWINGS





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