

# BISTAR

TP6L60M TP6L60M(H) **120 half-cell** 

## 355 - 375W

9BB half-cut mono perc

#### **KEY FEATURES**

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- Jilli	1990an

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



# **Excellent Anti-PID performance**

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

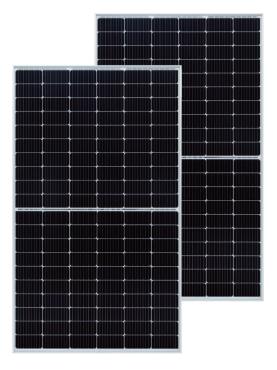


#### Wider application

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



**IP68** junction box High waterproof level



#### **SYSTEM & PRODUCT CERTIFICATES**

- IEC 61215 / IEC 61730 / UL 1703
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System ٠
- ISO 45001: 2018 Occupational Health and Safety Management Systems



#### **PERFORMANCE WARRANTY**









ELECTRICAL PARAMETERS					
Performance at STC (Power Tolerance 0 ~ +3%)					
Maximum Power (Pmax/W)	355	360	365	370	375
Operating Voltage (Vmpp/V)	34.0	34.3	34.6	34.9	35.2
Operating Current (Impp/A)	10.45	10.50	10.56	10.61	10.66
Open-Circuit Voltage (Voc/V)	40.5	40.7	40.9	41.1	41.3
Short-Circuit Current (Isc/A)	11.10	11.15	11.20	11.26	11.31
Module Efficiency ηm(%)	19.3	19.6	19.8	20.1	20.4
Performance at NMOT					
Maximum Power (Pmax/W)	264.2	267.7	271.2	274.7	278.1
Operating Voltage (Vmpp/V)	31.4	31.6	31.9	32.1	32.3
Operating Current (Impp/A)	8.43	8.46	8.50	8.55	8.60
Open-Circuit Voltage (Voc/V)	37.7	37.9	38.0	38.2	38.4
Short-Circuit Current (Isc/A)	8.96	9.00	9.04	9.09	9.13
STC: Irradiance 1000W/m <sup>2</sup> Cell Temperature 25°C. Air Mass AM1.5 MMOT: Irradiance at 800W/m <sup>2</sup> . Ambient Temperature 20°C. Air Mass AM1.5. Wind Speed 1m/s					

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**

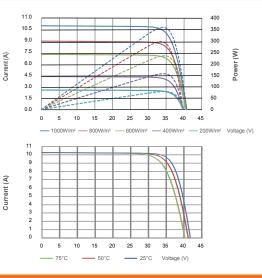
Connector

#### **I-V CURVE**

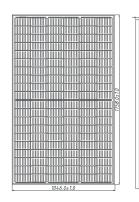
Cell Type	mono-Crystalline Silicon (9Busbar)
Cell Dimensions	166*166mm (6inches)
Cell Arrangement	120 (6*20)
Weight	21kg (46.3lbs)
Module Dimensions	1758*1046*35 (69.21*41.18*1.38inches)
Cable Length (Portrait	) (+)300mm (11.81inches) / (-)300mm (11.81inches)
Cable Length (Landsc	ape) (+)1200mm (47.24inches) / (-)1200mm (47.24inches)
Cable Cross Section S	ize 4mm <sup>2</sup> (0.006inches <sup>2</sup> )
Front Glass	3.2mm (0.13inches) High Transmission, Tempered AR Glass
No. of Bypass Diodes	3/6
Packing Configuration	30pcs/carton, 780pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

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

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

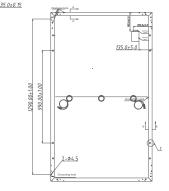


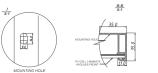
## **TECHNICAL DRAWINGS**



11

MC4 Compatible







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