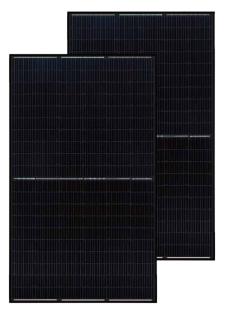


# BISTAR

TP6L60M 120 half-cell TP6L60M(H)

## 345 - 365W

9BB half-cut mono perc full black



#### **KEY FEATURES**



#### 9BB half-cut cell technology New circuit design, lower internal current, lower Rs loss Ga dopped wafer, attenuation < 2% (1st year) / ≤0.55% (Linear)



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 61730
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety ٠ Management Systems



#### PERFORMANCE WARRANTY







| ELECTRICAL PARAMETERS  |   |       |       |       |       |  |
|--|---|-------|-------|-------|-------|--|
| Performance at STC (Power Tolerance 0 ~ +                                    | -3%)  |       |       |       |       |  |
| Maximum Power (Pmax/W)   | 345   | 350   | 355   | 360   | 365   |  |
| Operating Voltage (Vmpp/V)   | 33.4  | 33.7  | 34.0  | 34.3  | 34.6  |  |
| Operating Current (Impp/A)   | 10.34   | 10.40 | 10.45 | 10.50 | 10.56 |  |
| Open-Circuit Voltage (Voc/V)   | 40.1  | 40.3  | 40.5  | 40.7  | 40.9  |  |
| Short-Circuit Current (Isc/A)  | 10.99   | 11.04 | 11.10 | 11.15 | 11.20 |  |
| Module Efficiency ηm(%)  | 18.94   | 19.21 | 19.49 | 19.76 | 20.03 |  |
| Performance at NMOT  |   |       |       |       |       |  |
| Maximum Power (Pmax/W)   | 257   | 260   | 264   | 267   | 271   |  |
| Operating Voltage (Vmpp/V)   | 30.8  | 31.1  | 31.4  | 31.6  | 31.9  |  |
| Operating Current (Impp/A)   | 8.33  | 8.37  | 8.43  | 8.46  | 8.50  |  |
| Open-Circuit Voltage (Voc/V)   | 37.3  | 37.5  | 37.7  | 37.9  | 38.0  |  |
| Short-Circuit Current (Isc/A)  | 8.87  | 8.91  | 8.96  | 9.00  | 9.04  |  |
| STC: Irradiance 1000W/m <sup>2</sup> . Cell Temperature 25°C. Air Mass AM1.5 | STC: Irradiance 1000W/m <sup>2</sup> , Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradiance at 800W/m <sup>2</sup> , Ambient Temperatue 20°C, Air Mass AM1.5, Wind Speed 1m/s |       |       |       |       |  |

20A

NMOT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperatue 20°C, Air Mass AM1.5, Wind Speed 1m/s STC: Irradiance 1000W/m<sup>2</sup>, Cell Temp ure 25°C, Air Mass AM1.5

#### **MECHANICAL SPECIFICATION**

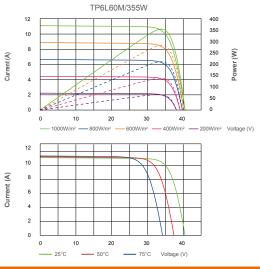
#### I-V CURVE

| 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/Landscape 1200mm/Customized                  |
| Cable Cross Section Size        | TUV: 4mm <sup>2</sup> (0.006inches <sup>2</sup> )/UL: 12AWG |
| Front Glass                     | 3.2mm (0.13inches) AR Coating Tempered Glass                |
| No. of Bypass Diodes            | 3/6   |
| Packing Configuration (1)       | 31pcs/carton, 806pcs/40hq                                   |
| Packing Configuration (for USA) | 31pcs/carton, 806pcs/40hq                                   |
| Frame                           | Anodized Aluminium Alloy                                    |
| Junction Box                    | IP68  |

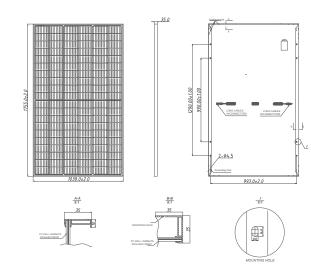
#### **OPERATING CONDITIONS** 1000V/1500V/DC(IEC) Maximun System Voltage Operating Temperature -40°C ~ +85°C Maximun Series Fuse Static Loading Snow Loading: 5400Pa/ Wind Loading: 2400Pa

| Otatio Eodding         | onow Educing. 04001 a/ Wind Educing. 24001 a |
|------------------------|--|
| Conductivity at Ground | ≤0.1Ω  |
| Safety Class           | Ш  |
| 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     |



### **TECHNICAL DRAWINGS**



20210112EN

The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Suzhou Talesun Solar Technologies Co., Ltd. reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

