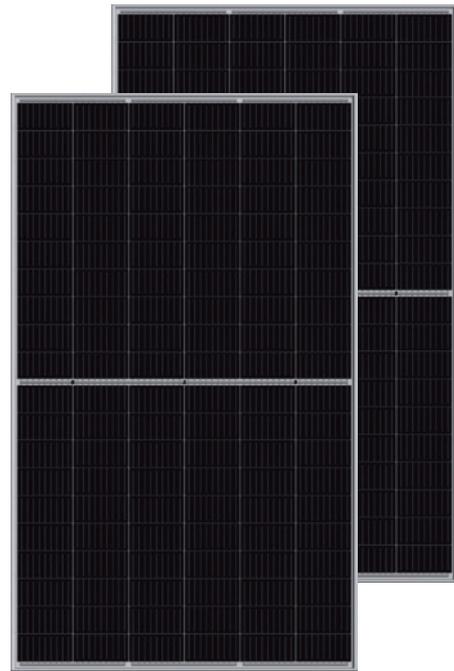


# BISTAR

TP6F60M  
TP6F60M(H) **120 half-cell**

**325 - 345W**

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



### Lower LCOE

2% more power generation, lower LCOE



Anti  
PID

### 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

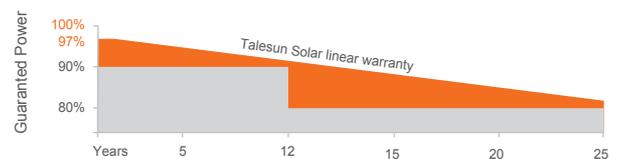


## PERFORMANCE WARRANTY

**12** years  
Quality assurance

**25** years  
Power output guarantee

■ Talesun standard  
■ Industry standard



## ELECTRICAL PARAMETERS

### Performance at STC (Power Tolerance 0 ~ +3%)

Maximum Power (Pmax/W)	325	330	335	340	345
Operating Voltage (Vmpp/V)	33.8	34.1	34.4	34.7	34.9
Operating Current (Impp/A)	9.61	9.66	9.74	9.80	9.89
Open-Circuit Voltage (Voc/V)	40.3	40.5	40.7	40.9	41.1
Short-Circuit Current (Isc/A)	10.06	10.12	10.18	10.24	10.34
Module Efficiency ηm(%)	19.2	19.5	19.8	20.1	20.4

### Performance at NMOT

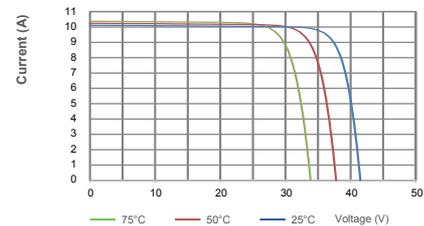
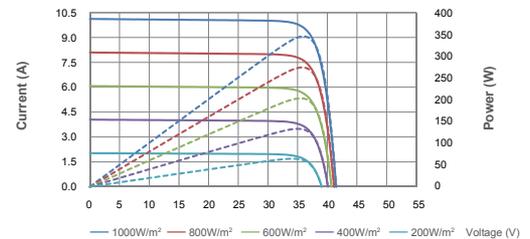
Maximum Power (Pmax/W)	241.3	244.2	248.4	251.9	255.7
Operating Voltage (Vmpp/V)	31.5	31.7	31.9	32.2	32.3
Operating Current (Impp/A)	7.67	7.71	7.78	7.83	7.90
Open-Circuit Voltage (Voc/V)	37.5	37.6	37.8	38.0	38.2
Short-Circuit Current (Isc/A)	8.12	8.17	8.22	8.27	8.35

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

## MECHANICAL SPECIFICATION

Cell Type	Mono-Crystalline Silicon (9Busbar)
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 <sup>2</sup> (0.006inches <sup>2</sup> )
Front Glass	3.2mm High Transmission, Tempered Glass
No. of Bypass Diodes	3/6
Packing Configuration	31pcs/carton, 806pcs/40hq
Packing Configuration	31+4pcs/carton, 858pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

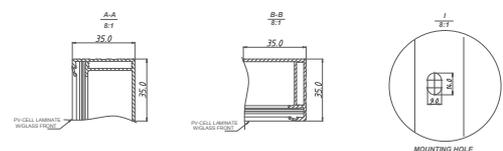
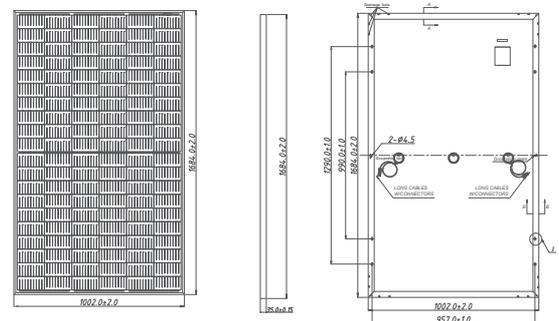
## I-V CURVE



## OPERATING CONDITIONS

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

## TECHNICAL DRAWINGS



## TEMPERATURE COEFFICIENT

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