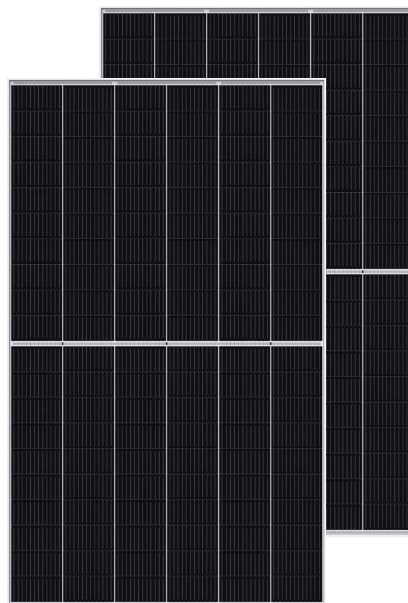


# BISTAR

TP8F60M  
TP8F60M(H) **120 half-cell**

**585 - 605W**

12BB half-cut mono perc



## KEY FEATURES



### 12BB half-cut cell technology

New circuit design, lower internal current, lower Rs loss  
Ga-doped wafer, attenuation < 2% (1st year) / ≤ 0.55% (Linear)



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

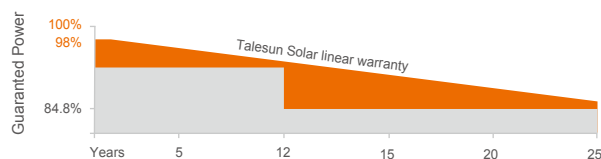


## PERFORMANCE WARRANTY



Linear Performance Warranty

Standard Performance Warranty



## ELECTRICAL PARAMETERS

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

Maximum Power (Pmax/W)	585	590	595	600	605
Operating Voltage (Vmpp/V)	34.1	34.3	34.5	34.7	34.9
Operating Current (Impp/A)	17.16	17.21	17.25	17.30	17.34
Open-Circuit Voltage (Voc/V)	40.9	41.1	41.3	41.5	41.7
Short-Circuit Current (Isc/A)	18.22	18.27	18.31	18.36	18.40
Module Efficiency $\eta$ m(%)	20.7	20.8	21.0	21.2	21.4

### Performance at NMOT

Maximum Power (Pmax/W)	441	444	448	452	455
Operating Voltage (Vmpp/V)	32.0	32.2	32.4	32.6	32.8
Operating Current (Impp/A)	13.76	13.80	13.83	13.86	13.90
Open-Circuit Voltage (Voc/V)	38.5	38.7	38.9	39.1	39.3
Short-Circuit Current (Isc/A)	14.68	14.72	14.75	14.79	14.82

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	Monocrystalline
Cell Dimensions	210*210mm
Cell Arrangement	120 (6*20)
Weight	31.5kg (63.45lbs.)
Module Dimensions	2172*1303*35mm (85.51*51.30*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, 527pcs/40hq
Packing Configuration (for USA)	31pcs/carton, 527pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

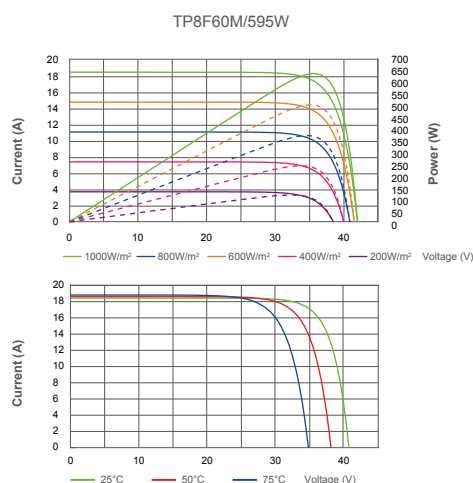
## OPERATING CONDITIONS

Maximum System Voltage	1000V/1500V/DC(IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	30A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	PV-02/LJQ-3/LJQ-3-CSY/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

## I-V CURVE



## TECHNICAL DRAWINGS

