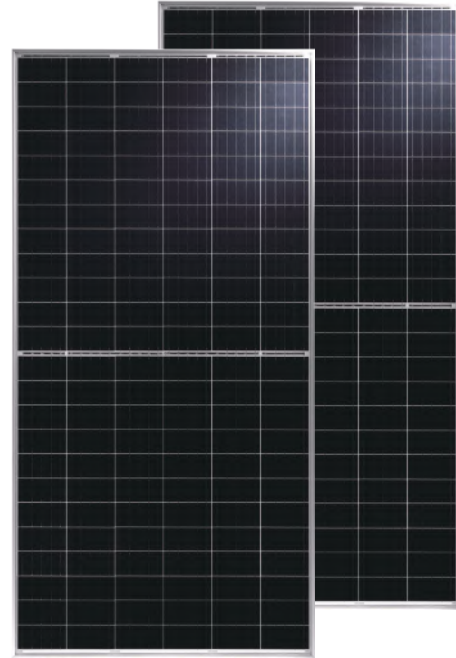


# BISTAR

TP6H72M **144 half-cell**

**385 – 410W**

half-cut mono perc



## KEY FEATURES



### 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



### Excellent Anti-PID performance

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



### IP68 junction box

The highest 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



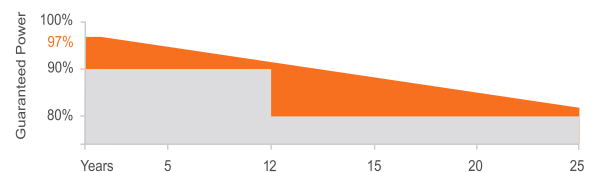
## PERFORMANCE WARRANTY

**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)	385	390	395	400	405	410
Operating Voltage(Vmpp/V)	39.8	40.0	40.3	40.5	40.7	40.9
Operating Current(Imp/A)	9.68	9.75	9.81	9.88	9.96	10.03
Open-Circuit Voltage(Voc/V)	48.5	48.7	49.0	49.2	49.3	49.5
Short-Circuit Current(Isc/A)	10.28	10.35	10.41	10.48	10.56	10.63
Module Efficiency $\eta$ (%)	19.1	19.4	19.6	19.9	20.1	20.4

### Performance at NMOT

Maximum Power(Pmax/W)	287.4	290.9	294.8	298.4	302.2	305.8
Operating Voltage(Vmpp/V)	36.9	37.1	37.4	37.6	37.7	37.9
Operating Current(Imp/A)	7.78	7.83	7.88	7.94	8.01	8.07
Open-Circuit Voltage(Voc/V)	45.2	45.4	45.6	45.8	45.9	46.1
Short-Circuit Current(Isc/A)	8.3	8.35	8.4	8.46	8.52	8.58

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(5Busbar)
Cell Dimensions	158.75*158.75mm(6inches)
Cell Arrangement	144(6*24)
Weight	22.5kg(49.60lbs)
Module Dimensions	2008*1002*35mm(79.06*39.45*1.38inches)
Cable Length	300mm(11.81inches)
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 (1)	30pcs/carton, 660pcs/40hq
Packing Configuration (2)	30+4pcs/carton, 704pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

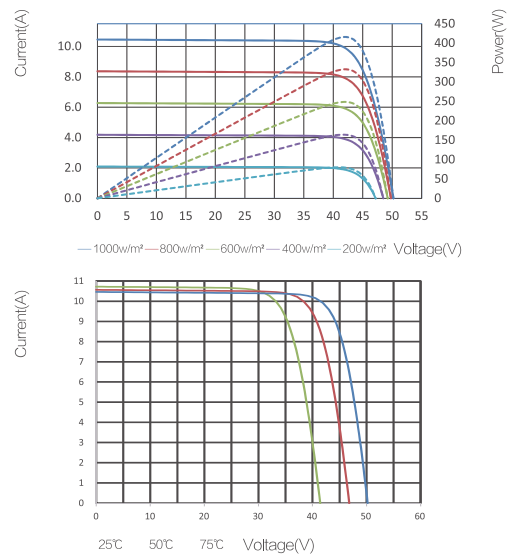
## OPERATING CONDITIONS

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

## TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.39%/°C
Temperature Coefficient Voc	-0.30%/°C
Temperature Coefficient Isc	+0.05%/°C
NMOT	43±2°C

## I-V CURVE



## TECHNICAL DRAWINGS

