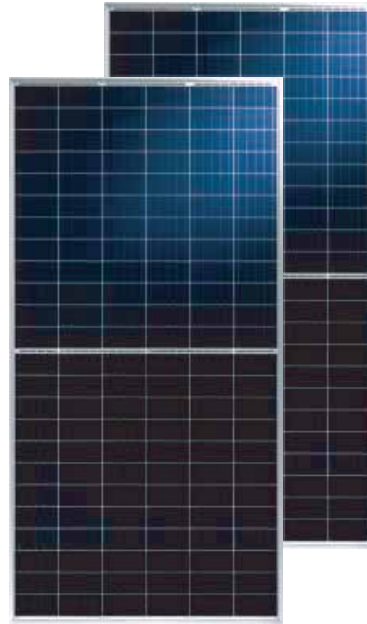


# BISTAR

TP6H72P  
TP6H72P(H) **144 half-cell**

335 - 355W

half-cut poly



## 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

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

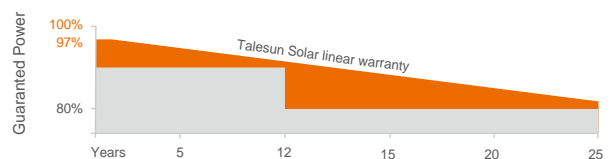


## PERFORMANCE WARRANTY



Linear Performance Warranty

Standard Performance Warranty



## ELECTRICAL PARAMETERS

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

Maximum Power (Pmax/W)	335	340	345	350	355
Operating Voltage (Vmpp/V)	37.4	37.7	38.0	38.3	38.6
Operating Current (Impp/A)	8.96	9.02	9.08	9.14	9.20
Open-Circuit Voltage (Voc/V)	45.7	46.0	46.2	46.5	46.8
Short-Circuit Current (Isc/A)	9.46	9.51	9.58	9.64	9.70
Module Efficiency $\eta$ m(%)	16.7	16.9	17.1	17.4	17.7

### Performance at NMOT

Maximum Power (Pmax/W)	249	253	256	260	264
Operating Voltage (Vmpp/V)	34.8	35.0	35.3	35.5	35.8
Operating Current (Impp/A)	7.17	7.22	7.28	7.33	7.38
Open-Circuit Voltage (Voc/V)	42.5	42.7	42.9	43.2	43.5
Short-Circuit Current (Isc/A)	7.65	7.69	7.75	7.80	7.84

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

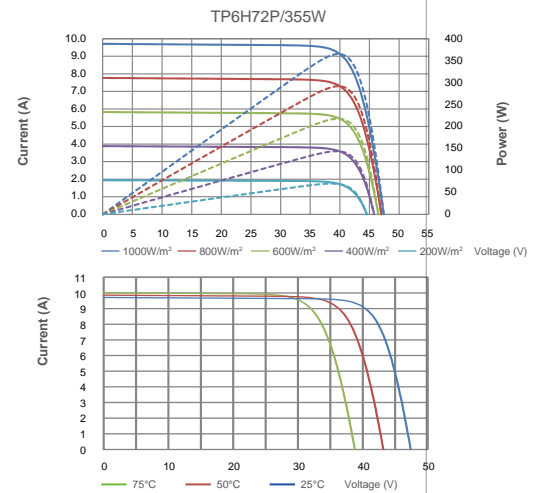
## MECHANICAL SPECIFICATION

Cell Type	Poly
Cell Dimensions	158.75*158.75mm
Cell Arrangement	144 (6*24)
Weight	22.5kg (49.06lbs)
Module Dimensions	2008*1002*35mm (79.06*39.45*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, 682pcs/40hq
Packing Configuration (2)	31+4pcs/carton, 726pcs/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	20A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	T01/LJQ-3-CSY/MC4/EV02

## I-V CURVE



## TECHNICAL DRAWINGS

