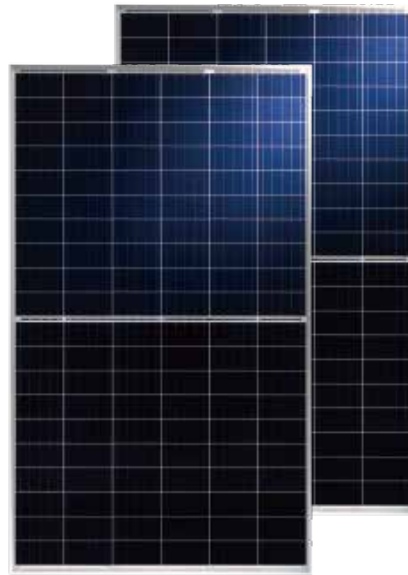


BISTAR

TP6H60P
TP6H60P(H) **120 half-cell**

280 - 295W

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

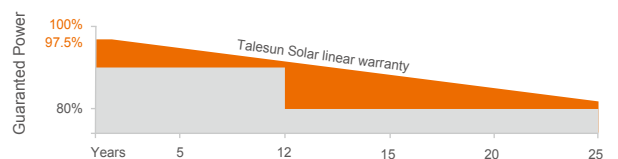


PERFORMANCE WARRANTY



Linear Performance Warranty

Standard Performance Warranty



ELECTRICAL PARAMETERS

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

Maximum Power (Pmax/W)	280	285	290	295
Operating Voltage (Vmpp/V)	31.3	31.7	32.0	32.3
Operating Current (Impp/A)	8.95	9.00	9.07	9.14
Open-Circuit Voltage (Voc/V)	38.5	38.7	39.0	39.3
Short-Circuit Current (Isc/A)	9.57	9.65	9.73	9.81
Module Efficiency η_m (%)	16.6	16.9	17.2	17.5

Performance at NMOT

Maximum Power (Pmax/W)	208	212	216.3	220
Operating Voltage (Vmpp/V)	29.0	29.2	29.5	29.7
Operating Current (Impp/A)	7.21	7.27	7.34	7.40
Open-Circuit Voltage (Voc/V)	35.8	36.0	36.2	36.5
Short-Circuit Current (Isc/A)	7.74	7.80	7.87	7.93

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradiance at 800W/m², 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	120 (6*20)
Weight	20.7kg (45.64lbs)
Module Dimensions	1684*1002*35mm (66.3*39.45*1.38inches)
Cable Length	Portrait 300mm/Landscape 1200mm/Customized
Cable Cross Section Size	TUV: 4mm ² (0.006inches ²)/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 (2)	31+4pcs/carton, 858pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

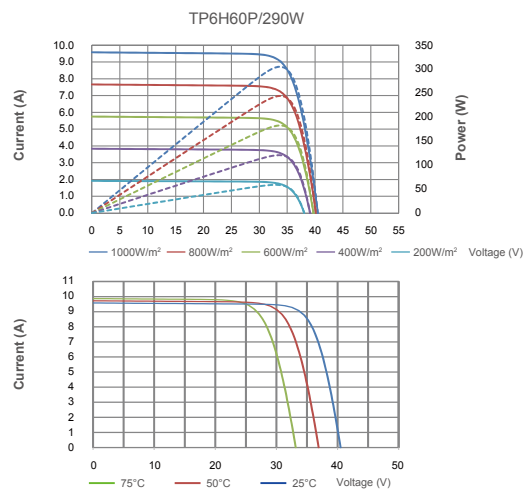
OPERATING CONDITIONS

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	$\leq 0.1\Omega$
Safety Class	II
Resistance	$\geq 100M\Omega$
Connector	T01/LJQ-3-CSY/MC4/EV02

TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.39%/°C
Temperature Coefficient Voc	-0.31%/°C
Temperature Coefficient Isc	+0.054%/°C
NMOT	43±2°C

I-V CURVE



TECHNICAL DRAWINGS

