

BISTAR

TP6H60M 120 half-cell

320 ~ 330W

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



IP68 junction box

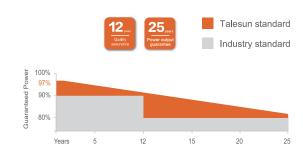
The highest waterproof level



SYSTEM & PRODUCT CERTIFICATES

- IEC 61215 / IEC 61730
- ISO 9001: 2015 Quality Management System
- ISO 14001 : 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety Management Systems

PERFORMANCE WARRANTY









www.talesun.com

Suzhou Talesun Solar Technologies Co., Ltd.

Annual Module Capacity Globally : 8GW China : 7GW Thailand : 1GW

Talesun Solar is one of the world's largest integrated clean energy providers, who develops, manufactures and delivers highly reliable and cost - effective solar modules and integrated PV energy solutions for every application and market, for homes, businesses and utility power plants. It was ranked as one of the top 10 module suppliers in 2018, and was also listed as global TIER1 module supplier by BNEF since 2015.

ELECTRICAL PARAMETERS			
Performance at STC (Power tolerance: ±3%; Binning	g tolerance: 0~+5W)		
Maximum Power(Pmax/W)	320	325	330
Operating Voltage(Vmpp/V)	33.5	33.8	34.2
Operating Current(Impp/A)	9.56	9.62	9.66
Open-Circuit Voltage(Voc/V) (Tolerance ±4%)	40.1	40.3	40.5
Short-Circuit Current(Isc/A) (Tolerance ±4%)	10.16	10.22	10.26
Module Efficiency ηm(%)	18.9	19.2	19.5
Performance at NMOT			
Maximum Power(Pmax/W)	238.3	241.8	245.6
Operating Voltage(Vmpp/V)	30.9	31.2	31.5
Operating Current(Impp/A)	7.71	7.76	7.80
Open-Circuit Voltage(Voc/V)	37.3	37.5	37.7
Short-Circuit Current(Isc/A)	8.20	8.25	8.28
STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradia	ance at 800W/m², Ambient Temperature 20°C, Air Mass AM1.5, Wind	Speed 1m/s	

MECHAN	ICAL	SPECI	FICATIO	N

WECHANICAL SPECIFICA	TION
Cell Type	Mono-Crystalline Silicon (5Busbar)
Cell Dimensions	158.75*158.75mm(6inches)
Cell Arrangement	60(6*10)
Weight	20.7kg(45.64 lbs)
Module Dimensions	1684*1002*35mm (66.30*39.45*1.38inches)
Cable Length	300mm(11.81inches)
Cable Cross Section Size	4mm²(0.006inches²)
Front Glass	3.2mm High Transmission, Tempered Glass
No.of Bypass Diodes	3/6
Packing Configuration (1)	30pcs/carton
Packing Configuration (2)	30+4pcs/carton,1carton/pallet
Frame	Anodized Aluminium Alloy
Junction Box	IP68

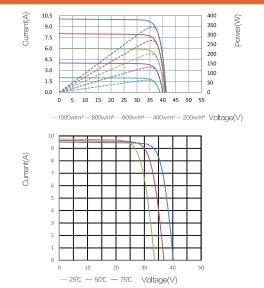
OPERATING CONDITIONS

Maximum System Voltage	1000V/DC(IEC)
Operating Temp	-40°C-+85°C
Maximum Series Fuse	20A
Static Loading	5400Pa
Conductivity at Ground	≤ 0.1Ω
Safety Class	
Resistance	≥100MΩ
Connector	Genuine MC4 or T01

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

