



TP6L60M(H)-XXX 120 half-cell

360 - 370W

9BB half-cut mono perc

# **KEY FEATURES**



# 9BB 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



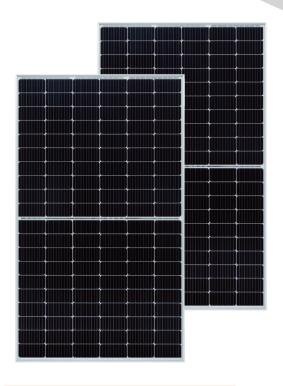
# Wider application

No water-permeability and high wear-resistance, can be widely used in high-humid, windy and dusty area



# IP68 junction box

High 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









marketing.hq@talesun.com Made in China/Thailand

Suzhou Talesun Solar Technologies Co., Ltd



#### **ELECTRICAL PARAMETERS** Performance at STC (Power Tolerance ±3%; Binning tolerance: 0~+5W) Maximum Power (Pmax/W) 360 365 370 Operating Voltage (Vmpp/V) 34.3 34.6 34.9 Operating Current (Impp/A) 10.61 10.50 10.56 Open-Circuit Voltage (Voc/V) (Tolerance ±4%) 40.7 40.9 41.1 Short-Circuit Current (Isc/A) (Tolerance ±4%) 11.20 11.26 11.15 Module Efficiency ηm(%) 20.0 20.3 19.7 Performance at NMOT Maximum Power (Pmax/W) 267.7 271.2 274.7

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 MMOT: Irradiance at 800W/m², Ambient Temperatue 20°C, Air Mass AM1.5, Wind Speed 1m/s

# **MECHANICAL SPECIFICATION**

Operating Voltage (Vmpp/V)

Operating Current (Impp/A)

Open-Circuit Voltage (Voc/V)

Short-Circuit Current (Isc/A)

Cell Type	Monocrystalline
Cell Dimensions	166*166mm
Cell Arrangement	120 (6*20)
Weight	21kg (46.3lbs)
Module Dimensions	1755*1038*35mm (69.09*40.87*1.38inches)
Cable Length (Portrait)	(+)300mm (11.81inches) / (-)300mm (11.81inches)
Cable Length (Landscape)	(+)1200mm (47.24inches) / (-)1200mm (47.24inches)
Cable Cross Section Size	4mm² (0.006inches²)
Front Glass	3.2mm (0.13inches) AR Coating Tempered Glass
No. of Bypass Diodes	3/6
Packing Configuration	31pcs/carton, 806pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

# **OPERATING CONDITIONS**

Maximun System Voltage	1500V/DC(IEC)
Operating Temperature	-40°C ~ +85°C
Maximun Series Fuse	20A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector PV-KST4-EV	VO2/xy-UR(male),PV-KBT4-EVO2/xy-UR(female); T01; LJQ-3
Fire Rating (according to UL79	0) Class C

# **TEMPERATURE COEFFICIENT**

Temperature Coefficient Pmax	-0.36%/°C
Temperature Coefficient Voc	-0.26%/°C
Temperature Coefficient Isc	+0.043%/°C
NMOT	43±2°C

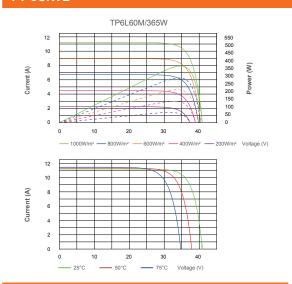
# **I-V CURVE**

31.6

8.46

37.9

9.00



31.9

8.50

38.0

9.04

32.1

8.55

38.2

9.09

# **TECHNICAL DRAWINGS**

