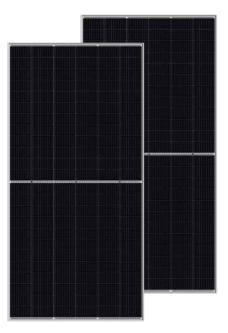


# CIPRO

### TP6F72M TP6F72M(H) **144 half-cell**

## 380 - 400W

9BB half-cut cast mono



#### **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



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

5

Years



15

20

12



25

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ELECTRICAL PARAMETERS						
Performance at STC (Power Tolerance 0 ~ +3%)						
Maximum Power (Pmax/W)	380	385	390	395	400	
Operating Voltage (Vmpp/V)	39.6	39.8	40.0	40.3	40.5	
Operating Current (Impp/A)	9.61	9.68	9.75	9.81	9.89	
Open-Circuit Voltage (Voc/V)	48.3	48.5	48.7	48.9	49.1	
Short-Circuit Current (Isc/A)	10.14	10.20	10.28	10.35	10.43	
Module Efficiency ηm(%)	18.9	19.1	19.4	19.6	19.9	
Performance at NMOT						
Maximum Power (Pmax/W)	283.8	287.3	290.8	294.6	298.5	
Operating Voltage (Vmpp/V)	36.9	37.1	37.3	37.5	37.7	
Operating Current (Impp/A)	7.69	7.74	7.80	7.85	7.93	
Open-Circuit Voltage (Voc/V)	45.5	45.2	45.4	45.5	45.7	
Short-Circuit Current (Isc/A)	8.19	8.23	8.30	8.35	8.42	
STC: Irradiance 1000W/m <sup>2</sup> Cell Temperature 25°C. Air Mass AM1 5	F: Irradiance at 800W/m <sup>2</sup> Ambient Temr	peratue 20°C. Air	Mass AM1 5 Wind Sr	eed 1m/s		

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 MMOT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperatue 20°C, Air Mass AM1.5, Wind Speed 1m/s

#### **MECHANICAL SPECIFICATION**

#### I-V CURVE

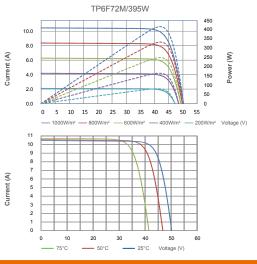
Cell Type	Cast Monocrystalline
Cell Dimensions	158.75*158.75mm
Cell Arrangement	144 (6*24)
Weight	22.5kg (49.6lbs)
Module Dimensions	2008*1002*35mm (79.06*39.45*1.38inches)
Cable Length	Portrait 300mm/Landscape 1200mm/Customized
Cable Cross Section Size	TUV: 4mm <sup>2</sup> (0.006inches <sup>2</sup> )/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**

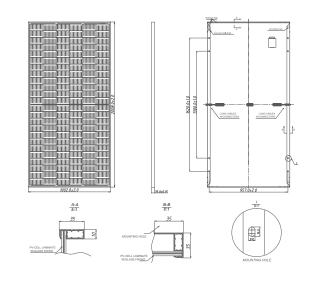
Maximun System Voltage	1000V/1500V/DC(IEC)
Operating Temperature	-40°C ~ +85°C
Maximun Series Fuse	20A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	Ш
Resistance	≥100MΩ
Connector	T01/LJQ-3-CSY/MC4/EV02

#### **TEMPERATURE COEFFICIENT**

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



#### **TECHNICAL DRAWINGS**



20210112EN The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Suzhou Talesun Solar Technologies Co., Ltd. reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

