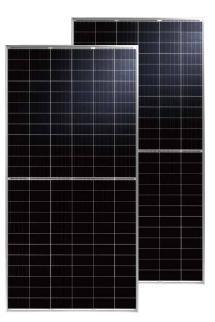


CIPRO

трен72М трен72М(н) **144 half-cell**

380 - 400W

half-cut cast mono



KEY FEATURES



Half-cut cell technology New circuit design, lower internal current, lower Rs loss

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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

marketing.hq@talesun.com

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)	9.60	9.68	9.75	9.81	9.88	
Open-Circuit Voltage (Voc/V)	48.3	48.5	48.7	49.0	49.2	
Short-Circuit Current (Isc/A)	10.20	10.28	10.35	10.41	10.48	
Module Efficiency ηm(%)	18.9	19.1	19.4	19.6	19.9	
Performance at NMOT						
Maximum Power (Pmax/W)	283	287	290	294	298	
Operating Voltage (Vmpp/V)	36.8	36.9	37.1	37.4	37.6	
Operating Current (Impp/A)	7.71	7.78	7.83	7.88	7.94	
Open-Circuit Voltage (Voc/V)	45.0	45.2	45.4	45.6	45.8	
Short-Circuit Current (Isc/A)	8.23	8.30	8.35	8.40	8.46	

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

MECHANICAL SPECIFICATION

I-V CURVE

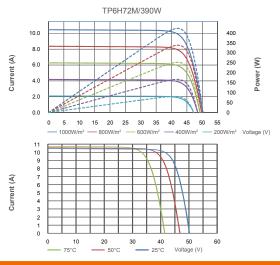
Cell Type	Cast Monocrystalline
Cell Dimensions	158.75*158.75mm
Cell Arrangement	144 (6*24)
Weight	22.5kg (49.6lbs)
Module Dimensions	2008*1002*35mm (79.06*39.45*1.38inches)
Cable Length	Portrait 300mm/Landscape 1200mm/Customized
Cable Cross Section Size	TUV: 4mm ² (0.006inches ²)/UL: 12AWG
Front Glass	3.2mm (0.13inches) AR Coating Tempered Glass
No. of Bypass Diodes	3/6
Packing Configuration (1)	31pcs/carton, 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	11
Resistance	≥100MΩ
Connector	T01/LJQ-3-CSY/MC4/EV02

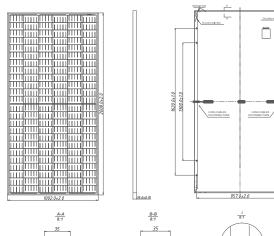
TEMPERATURE COEFFICIENT Temperature Coefficient Pmax Temperature Coefficient Voc

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



TECHNICAL DRAWINGS

10





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.

-0.36%/°C

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