

# MIPRO III

## TP672P - 325 / 330 / 335 / 340W

High Efficiency MBB Polycrystalline Solar Module  
72-Cell Series



### KEY FEATURES



#### 12 bus-bar cell technology

Excellent anti-microcracking performance with more balanced interior stress; grid pattern current path, lower Rs



#### Maximize limited space

Concentration effect of round solder strip, maximum power output 340W



#### Significantly lower the risk of hot spot

Special circuit design with much lower hot spot temperature



#### Lower LCoE

1% more power generation, lower LCoE



#### Excellent Anti-PID performance

2 times of industry standard Anti-PID test by TUV Rheinland



#### Highly reliable due to stringent quality control

In-house testing goes well beyond certification requirements



#### Certified to withstand the most challenging environmental conditions

2400 Pa wind load · 5400 Pa snow load · 25 mm hail stones at 82 km/h



#### IP68 junction box

The highest waterproof level

### SYSTEM & PRODUCT CERTIFICATES

- IEC 61215 / IEC 61730 / UL 1703
- ISO 9001 : 2008 Quality Management System
- ISO 14001 : 2004 Environment Mangement System
- OHSAS 18001 : 2007 Occupational Health and Safety Management System



### QUALITY WARRANTY

TALESUN guarantees that defects will not appear in materials and workmanship defined by IEC61215, IEC61730 or UL1703 under normal installation, use and maintenance as specified in Talesun' s installation manual for 10 years from the warranty starting date.

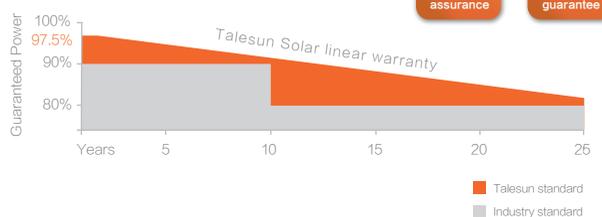


### PERFORMANCE WARRANTY

Polycrystalline Solar Module

10 years  
Quality assurance

25 years  
Power output guarantee



### ABOUT TALESUN SOLAR

TALESUN Solar is one of the world' s largest integrated clean energy providers with 4 GW cell and 5 GW module production capacity globally. Its standard and high-efficiency product offerings are among the most powerful and cost-effective in the industry. Talesun Solar is committed to provide customers with customized; systematized and trustworthy turnkey solutions. Till now, Talesun Solar has accumulatively shipped more than 10 GW modules globally.

# TALESUN



Web: [www.taesun.com](http://www.taesun.com)  
Tel: +86 400 885 1098  
Add: No.1 Taesun Road, Shajiangang, Changshu, P.R. China

## ELECTRICAL PARAMETERS

### Performance at STC (Power Tolerance 0 – +3%)

Maximum Power ( Pmax/W )	325	330	335	340
Operating Voltage ( Vmpp/V )	37.4	37.7	38.0	38.3
Operating Current ( Impp/A )	8.70	8.76	8.82	8.89
Open-Circuit Voltage ( Voc/V )	45.7	45.9	46.2	46.4
Short-Circuit Current ( Isc/A )	9.22	9.27	9.34	9.40
Module Efficiency $\eta_m$ (%)	16.7	17.0	17.2	17.5

### Performance at NOCT

Maximum Power ( Pmax/W )	240	243	247	251
Operating Voltage ( Vmpp/V )	34.8	34.6	34.9	35.1
Operating Current ( Impp/A )	6.92	7.04	7.09	7.15
Open-Circuit Voltage ( Voc/V )	42.9	42.3	42.6	42.8
Short-Circuit Current ( Isc/A )	7.42	7.51	7.56	7.61

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

## MECHANICAL SPECIFICATION

Cell Type	MBB Poly
Cell Dimensions	156.75*156.75mm(6inch)
Cell Arrangement	72(6*12)
Weight	22kg(48.5lbs)
Module Dimensions	1960*992*40mm(77.17*39.06*1.57inch)
Cable Length	1200mm(47.24inch)
Cable Cross Section Size	4mm <sup>2</sup> (0.006sq.in)
Front Glass	3.2mm High Transmission, Tempered Glass
No.of Bypass Diodes	3/6
Packing Configuration (1)	27pcs/Pallet,648pcs/40hq
Packing Configuration (2)	27pcs+5pcs/Pallet, 696pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

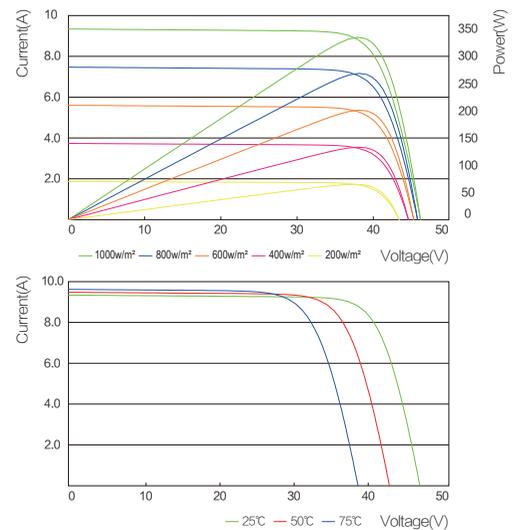
## OPERATING CONDITIONS

Maximum System Voltage	1000V/DC(IEC)/1500V/DC(IEC)
Operating Temp	-40°C – +85°C
Maximum Series Fuse	15A
Static Loading	5400Pa
Conductivity at Ground	≦ 0.1Ω
Safety Class	II
Resistance	≧ 100MΩ
Connector	MC4 Compatible

## TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.40%/°C
Temperature Coefficient Voc	-0.31%/°C
Temperature Coefficient Isc	+0.06%/°C
NOCT	45 ± 2°C

## I-V CURVE



## TECHNICAL DRAWINGS

