MIPRO III TP660P - 275 / 280 / 285W

High Efficiency MBB Polycrystalline Solar Module 60-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 285W



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 \cdot 5400 Pa snow load \cdot 25 mm hail stones at 82 km/h

IP68 junction box

The highest waterproof level

ABOUT TALESUN SOLAR

TALESUN

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.

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.







ELECTRICAL PARAMETERS			
Performance at STC (Power Tolerance 0 – +3%)			
Maximum Power (Pmax/W)	275	280	285
Operating Voltage (Vmpp/V)	31.7	32.0	32.3
Operating Current (Impp/A)	8.69	8.76	8.83
Open-Circuit Voltage (Voc/V)	38.7	39.0	39.3
Short-Circuit Current (Isc/A)	9.17	9.25	9.30
Module Efficiency η m (%)	16.8	17.1	17.4
Performance at NOCT			
Maximum Power (Pmax/W)	203	207	210
Operating Voltage (Vmpp/V)	29.2	29.4	29.7
Operating Current (Impp/A)	6.97	7.04	7.08
Open-Circuit Voltage (Voc/V)	35.7	36.0	36.2
Short-Circuit Current (Isc/A)	7.42	7.49	7.53
STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s			

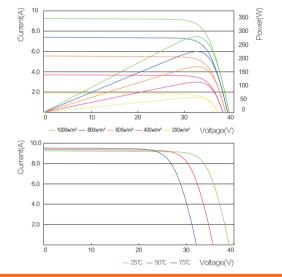
MECHANICAL SPECIFICATION

I-V CURVE

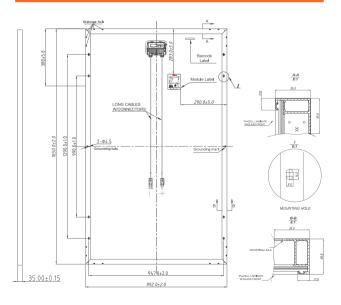
Cell Type	MBB Poly
Cell Dimensions	156.75*156.75mm(6inch)
Cell Arrangement	60(6*10)
Weight	18.5kg(40.8lbs)
Module Dimensions	1650*992*35mm(64.96*39.06*1.38inch)
Cable Length	900mm(35.4inch)
Cable Cross Section Size	4mm²(0.006sq.in)
Front Glass	3.2mm High Transmission, Tempered Glass
No.of Bypass Diodes	3/6
Packing Configuration (1)	30pcs/Pallet,840pcs/40hq
Packing Configuration (2)	30pcs+5pcs/Pallet, 910pcs/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	I
Resistance	≥100MΩ
Connector	MC4 Compatible

TEMPERATURE COEFFICIENT	
Temperature Coefficient Pmax	−0.40%/℃
Temperature Coefficient Voc	−0.31%/℃
Temperature Coefficient Isc	+0.06%/°C
NOCT	45±2℃



TECHNICAL DRAWINGS



TALESUN

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 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. 201802EN