# TP660P 265 / 270 / 275 / 280 / 285W Polycrystalline Solar Module 60-Cell Series **KEY FEATURES**



# Maximize limited space

Maximum power output 285W



#### Highly reliable due to stringent quality control

In-house testing goes well beyond certification requirements



#### IP68 junction box

The highest waterproof level

## **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.









## **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.

#### **SYSTEM & PRODUCT CERTIFICATES**

- IEC 61215 / IEC 61730 / UL 1703
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Mangement System
- OHSAS 18001: 2007 Occupational Health and Safety Management System









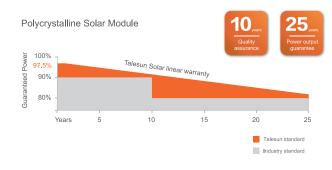








## **PERFORMANCE WARRANTY**



ELECTRICAL PARAMETERS						
Performance at STC (Power Tolerance ±3°	<b>(6)</b>					
Maximum Power(Pmax/W)		265	270	275	280	285
Operating Voltage(Vmpp/V)		31.0	31.3	31.7	32.0	32.3
Operating Current(Impp/A)		8.56	8.63	8.69	8.76	8.83
Open-Circuit Voltage(Voc/V)		38.2	38.5	38.7	39.0	39.3
Short-Circuit Current(Isc/A)		9.04	9.09	9.17	9.25	9.30
Module Efficiency ηm(%)		16.2	16.5	16.8	17.1	17.4
Performance at NOCT						
Maximum Power(Pmax/W)		196	199	203	207	210
Operating Voltage(Vmpp/V)		28.7	28.9	29.2	29.4	29.7
Operating Current(Impp/A)		6.83	6.90	6.97	7.04	7.08
Open-Circuit Voltage(Voc/V)		35.2	35.5	35.7	36.0	36.2
Short-Circuit Current(Isc/A)		7.32	7.36	7.42	7.49	7.53
STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5	IOCT: Irradiance at 800W/m², Ambient Tem	perature 20°C, Wind	l Speed 1m/s			

MECHAN		

MECHANICAL SPECIFICATION			
Cell Type	Poly		
Cell Dimensions	6inch		
Cell Arrangement	60(6*10)		
Weight	18.5kg(48.5lbs)		
Module Dimensions	1650*992*35mm(64.96*39.06*1.38inch)		
Cable Length	900mm(47.24inch)		
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		

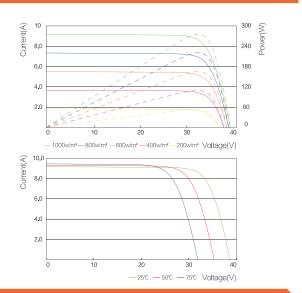
# **OPERATING CONDITIONS**

Maximum System Voltage	1000V/DC(IEC)
Operating Temp	-40°C-+85°C
Maximum Series Fuse	20A
Static Loading	5400Pa
Conductivity at Ground	≤ 0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	Genuine MC4 or T01

# 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**

