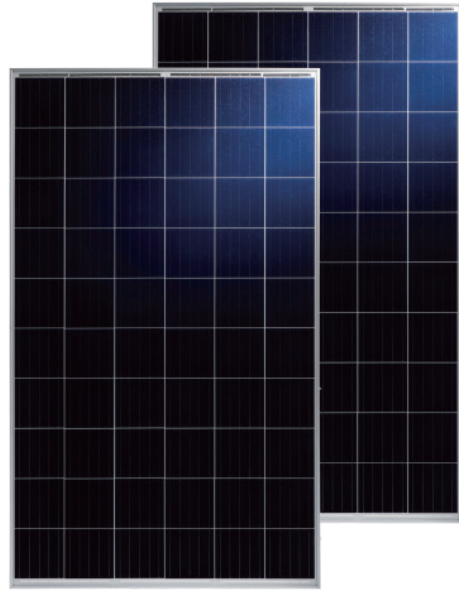


# PIPPO

TP660P **60-cell**

275 - 295W  
poly



## KEY FEATURES

Anti  
PID

### Excellent Anti-PID performance

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



### IP68 junction box

High waterproof level



### Lower temperature coefficients

Enhance power generation

## 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

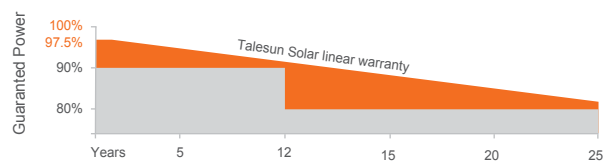


## PERFORMANCE WARRANTY

12 years  
Quality assurance

25 years  
Power output guarantee

■ Talesun standard  
■ Industry standard



## ELECTRICAL PARAMETERS

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

Maximum Power (Pmax/W)	275	280	285	290	295
Operating Voltage (Vmpp/W)	31.0	31.3	31.7	32.0	32.3
Operating Current (Impp/A)	8.88	8.95	9.00	9.07	9.14
Open-Circuit Voltage (Voc/V)	38.2	38.5	38.7	39.0	39.3
Short-Circuit Current (Isc/A)	9.49	9.57	9.65	9.73	9.81
Module Efficiency ηm(%)	16.5	16.8	17.1	17.4	17.7

### Performance at NMOT

Maximum Power (Pmax/W)	205.1	208.7	212.6	216.3	220
Operating Voltage (Vmpp/W)	28.7	29.0	29.2	29.5	29.7
Operating Current (Impp/A)	7.15	7.21	7.27	7.34	7.4
Open-Circuit Voltage (Voc/V)	35.5	35.8	36.0	36.2	36.5
Short-Circuit Current (Isc/A)	7.67	7.74	7.80	7.87	7.93

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

## MECHANICAL SPECIFICATION

Cell Type	Poly-Crystalline Silicon (5Busbar)
Cell Dimensions	158.75*158.75mm (6inches)
Cell Arrangement	60 (6*10)
Weight	18.5kg (40.79lbs)
Module Dimensions	1665*1002*35mm (65.55*39.45*1.38inches)
Cable Length	900mm (35.43inches)
Cable Cross Section Size	4mm <sup>2</sup> (0.006inches <sup>2</sup> )
Front Glass	3.2mm High Transmission, Tempered Glass
No. of Bypass Diodes	3/6
Packing Configuration (1)	31pcs/carton, 868pcs/40hq
Packing Configuration (2)	31+4pcs/carton, 924pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

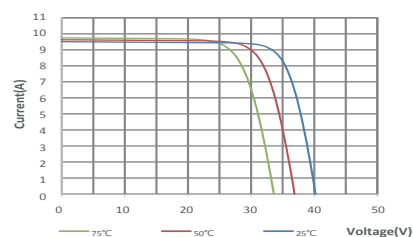
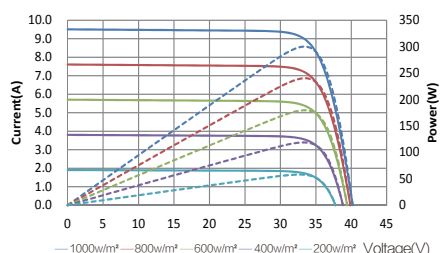
## OPERATING CONDITIONS

Maximum System Voltage	1500V/DC
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Static Loading	5400pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	MC4 Compatible

## TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.39%/°C
Temperature Coefficient Voc	-0.31%/°C
Temperature Coefficient Isc	+0.054%/°C
NMOT	43±2°C

## I-V CURVE



## TECHNICAL DRAWINGS

