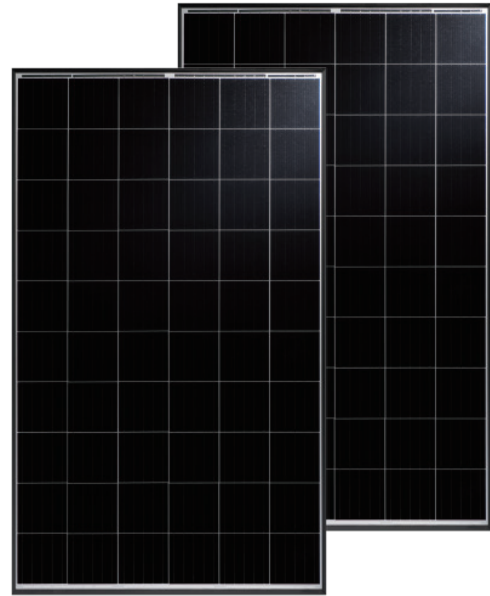


# HIPRO

TP660M  
TP660M(H) **60-cell**

**315 - 330W**  
mono perc



## 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

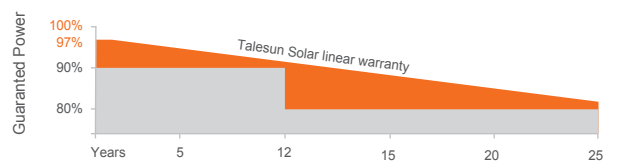


## PERFORMANCE WARRANTY

**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)	315	320	325	330
Operating Voltage (Vmpp/V)	33.2	33.5	33.8	34.2
Operating Current (Impp/A)	9.49	9.56	9.62	9.66
Open-Circuit Voltage (Voc/V)	39.9	40.1	40.3	40.5
Short-Circuit Current (Isc/A)	10.09	10.16	10.22	10.26
Module Efficiency $\eta_m$ (%)	18.9	19.2	19.5	19.8

### Performance at NMOT

Maximum Power (Pmax/W)	234.7	238.3	241.8	245.6
Operating Voltage (Vmpp/V)	30.6	30.9	31.2	31.5
Operating Current (Impp/A)	7.66	7.71	7.76	7.80
Open-Circuit Voltage (Voc/V)	37.2	37.3	37.5	37.7
Short-Circuit Current (Isc/A)	8.14	8.20	8.25	8.28

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	Mono-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

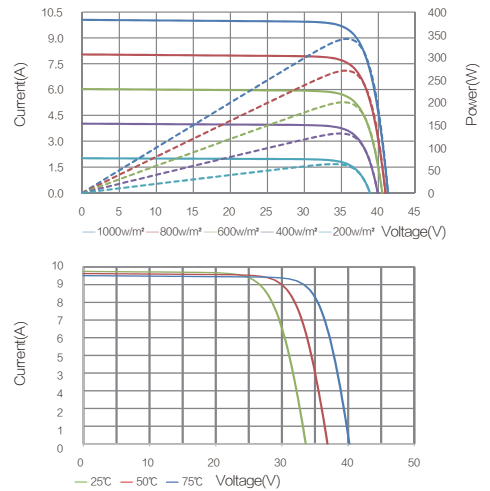
## OPERATING CONDITIONS

Maximum System Voltage	1000V/1500V/DC(IEC)
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	-0.36%/°C
Temperature Coefficient Voc	-0.26%/°C
Temperature Coefficient Isc	+0.043%/°C
NMOT	43±2°C

## I-V CURVE



## TECHNICAL DRAWINGS

