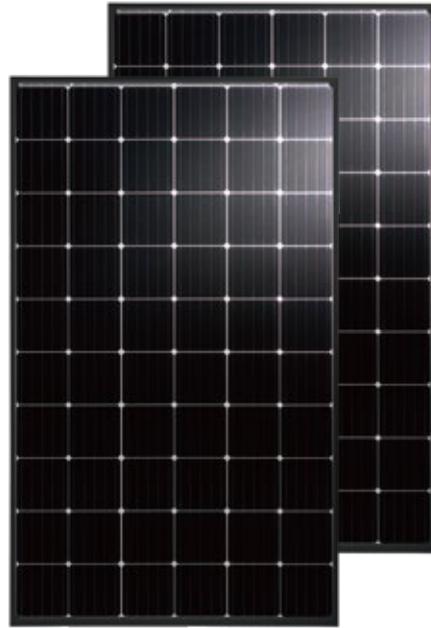


HIPRO

TP660M **60-cell**

315 - 335W

Black Frame, mono perc



KEY FEATURES

Anti
PID

Excellent Anti-PID performance

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



IP68 junction box

The highest 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



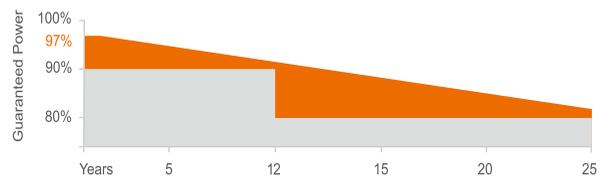
PERFORMANCE WARRANTY

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	335
Operating Voltage(Vmpp/V)	33.2	33.5	33.8	34.2	34.6
Operating Current(Imp/A)	9.49	9.56	9.62	9.66	9.69
Open-Circuit Voltage(Voc/V)	39.9	40.1	40.3	40.5	40.7
Short-Circuit Current(Isc/A)	10.09	10.16	10.22	10.26	10.29
Module Efficiency η (%)	18.9	19.2	19.5	19.8	20.1

Performance at NMOT

Maximum Power(Pmax/W)	234.7	238.3	241.8	245.6	248.8
Operating Voltage(Vmpp/V)	30.6	30.9	31.2	31.5	31.8
Operating Current(Imp/A)	7.66	7.71	7.76	7.80	7.83
Open-Circuit Voltage(Voc/V)	37.2	37.3	37.5	37.7	37.8
Short-Circuit Current(Isc/A)	8.14	8.20	8.25	8.28	8.31

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradiance at 800W/m², 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	19.0kg(41.90lbs)
Module Dimensions	1665*1002*35mm(65.55*39.45*1.38inches)
Cable Length	900mm(35.43inches)
Cable Cross Section Size	4mm ² (0.006inches ²)
Front Glass	3.2mm High Transmission, Tempered Glass
No.of Bypass Diodes	3/6
Packing Configuration (1)	30pcs/carton, 840pcs/40hq
Packing Configuration (2)	30+4pcs/carton, 896pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

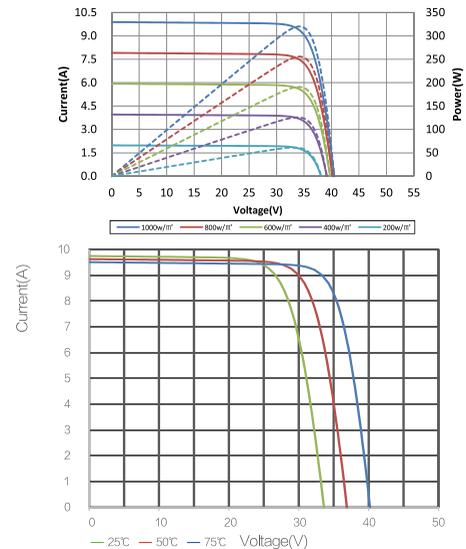
OPERATING CONDITIONS

Maximum System Voltage	1000V/DC(IEC)/1500V/DC(IEC)
Operating Temp	-40°C~+85°C
Maximum Series Fuse	20A
Static Loading	5400Pa
Conductivity at Ground	$\leq 0.1\Omega$
Safety Class	II
Resistance	$\geq 100M\Omega$
Connector	MC4 Compatible

TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.39%/°C
Temperature Coefficient Voc	-0.30%/°C
Temperature Coefficient Isc	+0.05%/°C
NMOT	43 \pm 2°C

I-V CURVE



TECHNICAL DRAWINGS

