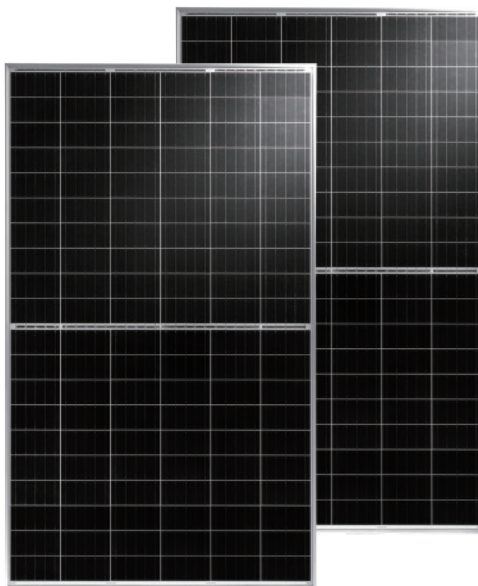


CIPRO

TP6H60M **120 half-cell**

315 - 335W
half-cut cast mono



KEY FEATURES



Half-cut cell technology

New circuit design, lower internal current, lower Rs loss



Significantly lower the risk of hot spot

Special circuit design with much lower hot spot temperature



Lower LCOE

2% more power generation, lower LCOE



Anti
PID

Excellent Anti-PID performance

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



IP68 junction box

The highest waterproof level

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



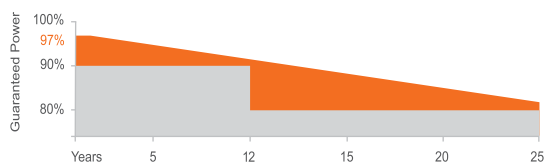
PERFORMANCE WARRANTY

12 years
Quality
insurance

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 ηm(%)	18.7	19.0	19.3	19.6	19.9

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 </tr <tr> <td>Open-Circuit Voltage(Voc/V)</td> <td>37.2</td> <td>37.3</td> <td>37.5</td> <td>37.7</td> <td>37.8</td> </tr> <tr> <td>Short-Circuit Current(Isc/A)</td> <td>8.14</td> <td>8.20</td> <td>8.25</td> <td>8.28</td> <td>8.31</td> </tr>	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
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	Cast Mono-Crystalline Silicon (5Busbar)
Cell Dimensions	158.75*158.75mm(6inches)
Cell Arrangement	120(6*20)
Weight	20.7kg(45.64 lbs)
Module Dimensions	1684*1002*35mm (66.30*39.45*1.38inches)
Cable Length	300mm(11.81inches)
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)	31pcs/carton, 806pcs/40hq
Packing Configuration (2)	31+4pcs/carton, 858pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

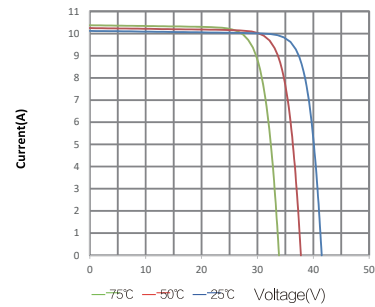
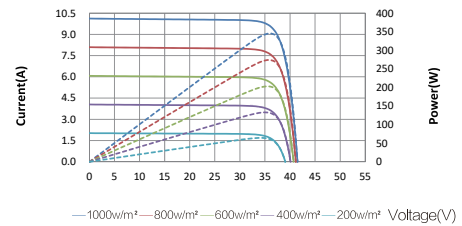
OPERATING CONDITIONS

Maximum System Voltage	1500V/DC
Operating Temp	-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

