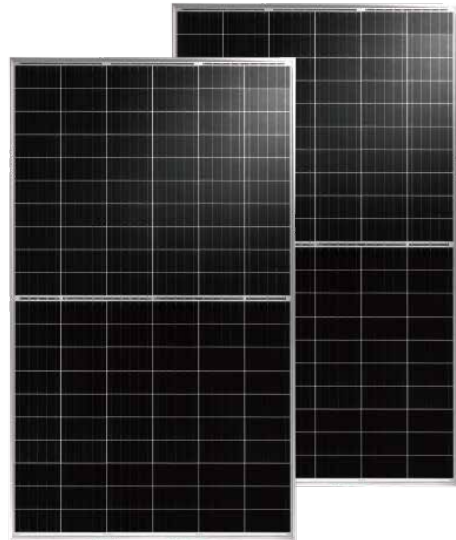


# CIPRO

TP6H60M  
TP6H60M(H) **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



### Excellent Anti-PID performance

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



### IP68 junction box

High 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

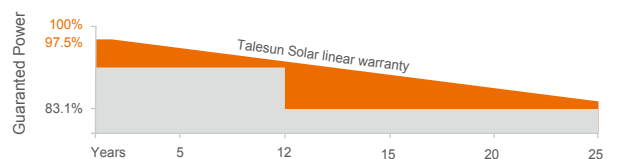


## PERFORMANCE WARRANTY



Linear Performance Warranty

Standard Performance Warranty



## ELECTRICAL PARAMETERS

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

Maximum Power (P <sub>max</sub> /W)	315	320	325	330	335
Operating Voltage (V <sub>mpp</sub> /V)	33.2	33.5	33.8	34.2	34.6
Operating Current (I <sub>mp</sub> /A)	9.49	9.56	9.62	9.66	9.69
Open-Circuit Voltage (V <sub>oc</sub> /V)	39.9	40.1	40.3	40.5	40.7
Short-Circuit Current (I <sub>sc</sub> /A)	10.09	10.16	10.22	10.26	10.29
Module Efficiency η <sub>m</sub> (%)	18.7	19.0	19.3	19.6	19.9

### Performance at NMOT

Maximum Power (P <sub>max</sub> /W)	234	238	241	245	248
Operating Voltage (V <sub>mpp</sub> /V)	30.6	30.9	31.2	31.5	31.8
Operating Current (I <sub>mp</sub> /A)	7.66	7.71	7.76	7.80	7.83
Open-Circuit Voltage (V <sub>oc</sub> /V)	37.2	37.3	37.5	37.7	37.8
Short-Circuit Current (I <sub>sc</sub> /A)	8.14	8.20	8.25	8.28	8.31

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	Cast Monocrystalline
Cell Dimensions	158.75*158.75mm
Cell Arrangement	120 (6*20)
Weight	20.7kg (45.64lbs)
Module Dimensions	1684*1002*35mm (66.30*39.45*1.38inches)
Cable Length	Portrait 300mm/Landscape 1200mm/Customized
Cable Cross Section Size	TUV: 4mm <sup>2</sup> (0.006inches <sup>2</sup> )/UL: 12AWG
Front Glass	3.2mm (0.13inches) AR Coating 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

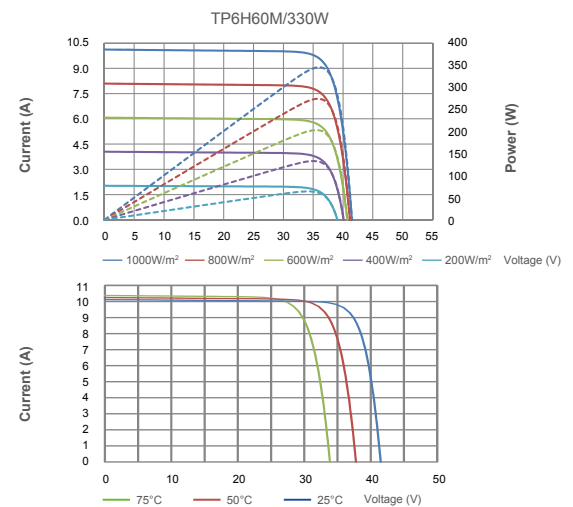
## OPERATING CONDITIONS

Maximum System Voltage	1000V/1500V/DC(IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	20A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	T01/LJQ-3-CSY/MC4/EV02

## TEMPERATURE COEFFICIENT

Temperature Coefficient P <sub>max</sub>	-0.36%/°C
Temperature Coefficient V <sub>oc</sub>	-0.26%/°C
Temperature Coefficient I <sub>sc</sub>	+0.043%/°C
NMOT	43±2°C

## I-V CURVE



## TECHNICAL DRAWINGS

