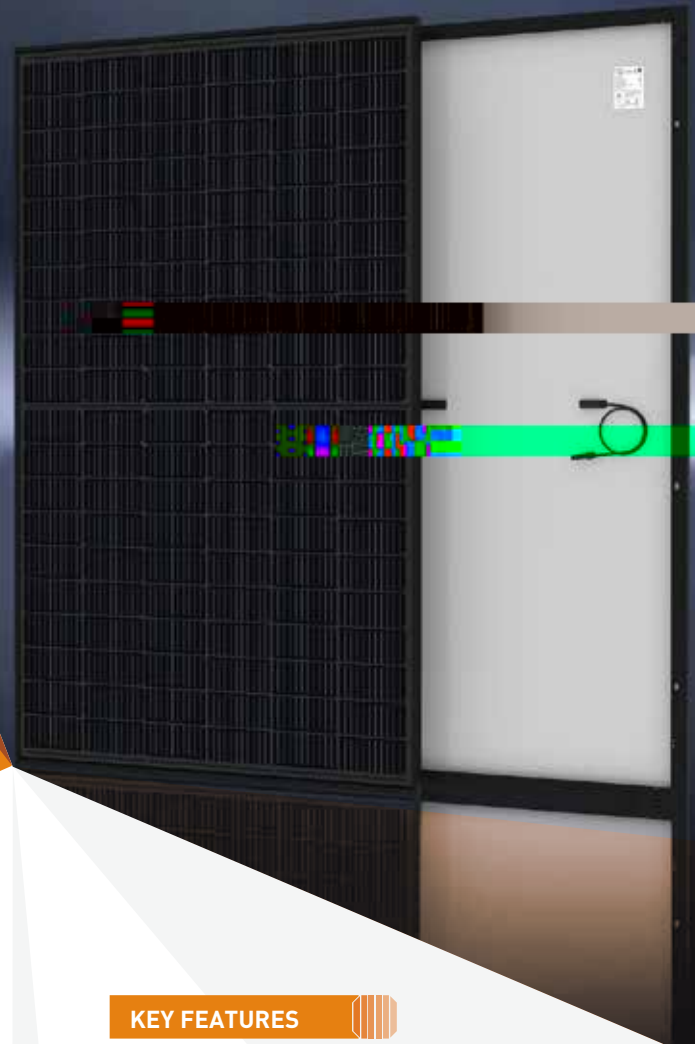


# BISTAR

TP7F60M  
TP7F60M(H) **120-cell**

440 - 460W

10BB Half-cut Mono Perc  
Full Black

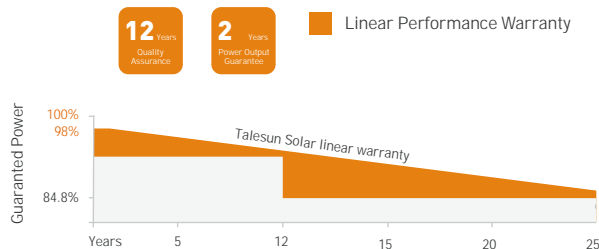


## SYSTEM & PRODUCT CERTIFICATES

- IEC 61215 / IEC 61730 / UL 61730
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety Management Systems



## PERFORMANCE WARRANTY



## KEY FEATURES



### 10BB Half-cut Cell Technology

New circuit design, lower internal current, lower Rs loss  
Ga doped wafer, attenuation <2% (1st year) / 0.55% (Linear)



### 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



### IP68 Junction Box

High waterproof level

## ELECTRICAL CHARACTERISTICS

| Testing Condition             | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT |
|-------------------------------|-----|------|-----|------|-----|------|-----|------|-----|------|
| Maximum Power (Pmax/W)        |     |      |     |      |     |      |     |      |     |      |
| Operating Voltage (Vmpp/V)    |     |      |     |      |     |      |     |      |     |      |
| Operating Current (Impp/A)    |     |      |     |      |     |      |     |      |     |      |
| Open-Circuit Voltage (Voc/V)  |     |      |     |      |     |      |     |      |     |      |
| Short-Circuit Current (Isc/A) |     |      |     |      |     |      |     |      |     |      |
| Module Efficiency (%)         |     |      |     |      |     |      |     |      |     |      |

STC: Irradiance 1000W/m<sup>2</sup>, Spectra at AM1.5, Module Temperature 25 C. Power output tolerance: 0~+5W, Test uncertainty for Pmax: ±3%  
 NMOT: Irradiance 800W/m<sup>2</sup>, Spectra at AM1.5, Ambient Temperature 20 C, Wind speed 1m/s

## MECHANICAL CHARACTERISTICS

|                   |   |
|-------------------|---|
| Cell Type         | Monocrystalline Silicon (10Busbar)  |
| No. of Cells      | 120pcs in series (6*20)   |
| Module Dimensions | 1908*1134*35mm<br>(75.12*44.65*1.38inches)                                |
| Weight            | 24.3kg (53.6lbs.)   |
| Front Glass       |   |
| Frame             | Anodized Aluminium Alloy  |
| Junction Box      | IP68, 3 Bypass Diodes   |
| Output Cables     | 4mm <sup>2</sup> (IEC), 12AWG(UL)<br>300mm in Length or Customized Length |
| Connectors        | T01/LJQ-3-CSY/MC4/MC4-EV02  |

## TEMPERATURE CHARACTERISTICS

|  |  |
|--|--|
| Temperature Coefficient of Pmax            |  |
| Temperature Coefficient of Voc             |  |
| Temperature Coefficient of Isc             |  |
| Nominal Module Operating Temperature(NMOT) |  |

