

TP7F54M
TP7F54M(H) **108-cell**
395 - 415W
10BB Half-cut Mono Perc

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

12 Years
Quality Assurance

2 Years
Power Output Guarantee

Linear 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)



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 (%) | 20.20 | | 20.50 | | 20.70 | | 21.00 | | 21.30 | |

STC: Irradiance 1000W/m², Spectra at AM1.5, Module Temperature 25 °C. Power output tolerance: 0~+5W, Test uncertainty for Pmax: ±3%
 NMOT: Irradiance 800W/m², Spectra at AM1.5, Ambient Temperature 20 °C, Wind speed 1m/s

MECHANICAL CHARACTERISTICS

| | |
|-------------------|---|
| Cell Type | Monocrystalline Silicon (10Busbar) |
| No. of Cells | 108pcs in series (6*18) |
| Module Dimensions | 1722*1134*30mm (67.80*44.65*1.18inches) |
| Weight | 21.5kg (47.4lbs.) |
| Front Glass | |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68, 3 Bypass Diodes |
| Output Cables | 4mm ² (IEC), 12AWG(UL) 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) | |

