



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 R_s 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

25C10390.82 3101 0 2424.929300.35942C10390.82 3101 0 2424.929300.35942C01 00T0.82 3101 0 2423.82252300.35942C10390.82 3101 0 2423.82252300
 2C
 2C, 24C
 2CIm 8T.2 2(lm k/ 8 2 2(lm l8T4254.0 028T018T42[01498.0.802]0 [0. 0-T3 0 (n)T128 .]548)858941T[tiT0.852.Td3V/150d(i0.800)50d0T42301 0]52[.033*.208
 2C
 2C
 24C
 28C
 29C

24C
 2C
 29C
 2C
 2C
 28C
 29C

TEMPERATURE CHARACTERISTICS

Temperature Coefficient of Pmax	
Temperature Coefficient of Voc	
Temperature Coefficient of Isc	
Nominal Module Operating Temperature	

