



# FEATHER

TP7F54M  
TP7F54M(H) **108-cell**

395 - 415W

10BB Half-cut Mono Perc  
Light-weight



## 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

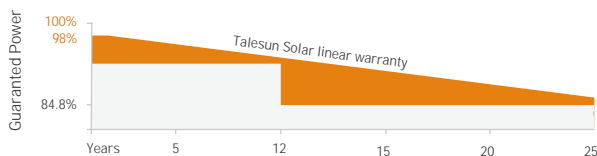


## PERFORMANCE WARRANTY

12 Years  
Quality Assurance

25 Years  
Power Output Guarantee

Linear Performance Warranty



## KEY FEATURES



### Light-Weight

Reduce roof loads, easy operation, lower installation cost



### 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



### Excellent Anti-PID Performance

2 times of industry standard Anti-PID test



### IP68 Junction Box

High waterproof level

## ELECTRICAL CHARACTERISTICS

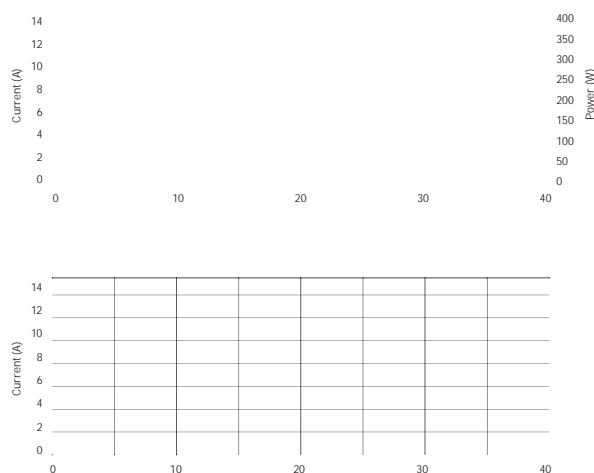
|  |       |       |       |       |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|  | 395   | 294   | 400   | 298   | 405   | 302   | 410   | 306   | 415   | 310   |
|  | 30.85 | 28.8  | 31.05 | 29.0  | 31.24 | 29.2  | 31.43 | 29.3  | 31.64 | 29.6  |
|  | 12.81 | 10.23 | 12.89 | 10.30 | 12.97 | 10.36 | 13.05 | 10.42 | 13.13 | 10.48 |
|  | 36.75 | 34.6  | 37.00 | 34.8  | 37.25 | 35.1  | 37.50 | 35.3  | 37.75 | 35.5  |
|  | 13.69 | 11.04 | 13.78 | 11.11 | 13.86 | 11.17 | 13.94 | 11.24 | 14.02 | 11.30 |
|  | 20.20 |       | 20.50 |       | 20.70 |       | 21.00 |       | 21.30 |       |

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## MECHANICAL CHARACTERISTICS

|  |   |
|--|---|
|  | Monocrystalline Silicon (10Busbar)  |
|  | 108pcs in series (6*18)   |
|  | 1722*1134*30mm<br>(67.80*44.65*1.18inches)                                |
|  | 16.2kg (35.72lbs.)  |
|  | 2.0mm AR Coating Tempered Glass   |
|  | Anodized Aluminium Alloy  |
|  | IP68, 3 Bypass Diodes   |
|  | 4mm <sup>2</sup> (IEC), 12AWG(UL)<br>300mm in Length or Customized Length |
|  | T01/LJQ-3-CSY/MC4/MC4-EVO2  |

## I-V CURVE



## APPLICATION CONDITIONS

|  |                |
|--|----------------|
|  | 1000V/1500V/DC |
|  | -40°C~+85°C    |
|  | 25A            |
|  | Class II       |
|  |                |
|  |                |

## TECHNICAL DRAWINGS

## TEMPERATURE CHARACTERISTICS

|  |            |
|--|------------|
|  | -0.35%/°C  |
|  | -0.26%/°C  |
|  | +0.048%/°C |
|  | 43±2°C     |

## PACKING CONFIGURATION

|  |     |         |
|--|-----|---------|
|  | 36  | 36(USA) |
|  | 936 | 936     |



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