



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

440 - 460W

10BB Half-cut Mono Perc



KEY FEATURES

SYSTEM & PRODUCT CERTIFICATES

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



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/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 | 120pcs in series (6*20) |
| Module Dimensions | 1908*1134*35mm (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 ² (IEC), 12AWG(UL) 300mm in Length or Customized Length |
| Connectors | T01/LJQ-3-CSY/MC4/MC4-EV02 |

I-V CURVE

APPLICATION CONDITIONS

| | |
|-------------------------|----------------|
| Maximun System Voltage | 1000V/1500V/DC |
| Operating Temperature | -40°C~+85°C |
| Maximun Series Fuse | 25A |
| Safety Protection Class | Class II |
| | |
| | |

TECHNICAL DRAWINGS

TEMPERATURE CHARACTERISTICS

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

PACKING CONFIGURATION

| | |
|-----------------------------|--|
| Pieces Per Pallet | |
| Pieces Per Container(40'HQ) | |



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