

Version

V1.0

# TW Solar(Hefei) Co., Ltd

**Mono PERC TW310MWP-60 Series**

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| **Electrical Parameters at STC** |  | **Temperature Coefficient** |
| Module: TW \*\*\* MWP-60 | 325 | 320 | 315 | 310 | 305 |  | NOCT | 45℃（±2℃） |
| Max. Power-Pm [W] | 325 | 320 | 315 | 310 | 305 |  | -Voc | -0.31%/℃ |
| Open Voltage -Voc [V] | 40.2 | 40.1 | 40.0 | 39.9 | 39.8 |  | - Isc | 0.058%/℃ |
| Short Circuit Current -Isc [A] | 10.03 | 9.96 | 9.87 | 9.80 | 9.73 |  | -Pm | -0.40%/℃ |
| MPPT Voltage -Vm [V] | 33.2 | 33.1 | 32.9 | 32.7 | 32.5 |  |  |
| MPPT Current -Im [A] | 9.75 | 9.66 | 9.57 | 9.48 | 9.38 |  | **Maximum Rated Parameters** |
| Module Efficiency -η [%] | 19.48 | 19.18 | 18.88 | 18.58 | 18.28 |  | Max. System Voltage[V] | DC 1000(IEC); DC 1000(UL) |
| **Electrical Parameters at NOCT** |  | Max. Series Fuse [A] | 20 |
| Max. Power -Pm [W] | 239 | 236 | 232 | 228 | 224 |  | Max. Static Load Front [Pa] | 5,400 |
| Open Voltage -Voc [V] | 37.7 | 37.6 | 37.5 | 37.4 | 37.3 |  | Operating Temperature | – 40 to + 85 |
| Short Circuit Current -Isc [A] | 8.12 | 8.06 | 7.99 | 7.93 | 7.87 |  | Hail Resistance | Max. Diameter 25mmImpact speed 23m·s-1 |
| MPPT Voltage -Vm [V] | 31.1 | 31.0 | 30.9 | 30.7 | 30.5 |
| MPPT Current -Im [A] | 7.68 | 7.59 | 7.51 | 7.44 | 7.36 |  |  |
| Remark:1. STC: irradiance 1000W/m², AM 1.5G； ambient temperature 25℃； according to EN 60904-3 test;1. NOCT: irradiance 800W/m²; wind speed 1 m/s; ambient temperature 20℃.
2. Power Tolerance: 0~+5W, Power test Uncertainty:±3%. Voc[V], Isc[A], Vm[V]& Im[A] Test Tolerance:±3%.
 |  | **Other Parameters** |
| Package | 30 pcs/box; 840 pcs/40′container |
| 质保 | 10 Years product warranty |
| 25 Years linear output power |
| **Mechanical Parameters** |  | **I-V 曲线** |
| Dimensions | 1665×1002×35mm (L×W×H) |  |   |
| Weight | 18.6kg |
| Front glass | ultra clear patterned tempered glass, 3.2mm |
| Packaging material | EVA |
| Cells | 6×12 pieces, mono PERC 158.75×158.75mm 5BB cells in series |
| Back | High weather resistance composite film |
| Frame | Anodised aluminium |
| Junction box | Rated current: 16A, IP67, TUV&UL |
| Cable | Cable cross section size 4mm² |
| Connector | MC4 |
| **Mechanical Diagram** |
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