

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 25mm  Impact 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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