



HW-M372H(380-400)

High Efficiency Mono Solar Module



Introduction

5BB and high-density interconnect technology improves power output and module efficiency.

Deploying advanced non-destructive cutting and half-cut technology, the Module features excellent Mechanical performance.



Excellent power generation performance

0/+5W positive power tolerance
Improved low light irradiance performance and low degradation



Advanced production process

Optimized MBB design
Cell efficiency >20.3%



Stable mechanical performance

Passed rigorous hail test
Withstands 5400Pa snow and 2400Pa wind loads



Superior quality control

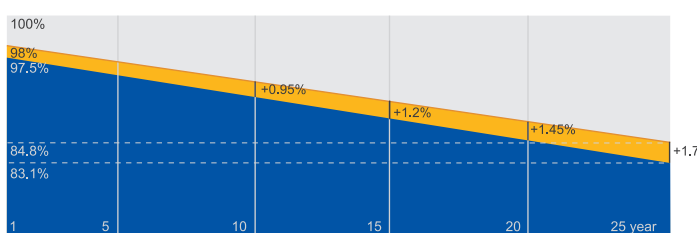
Full automatic production line
100% three times EL and appearance inspection

Certificate

TUV: EN IEC 61215, EN IEC 61730
GB/T 19001-2016/ISO 9001:2015
GB/T 24001-2016/ISO 14001:2015
GB/T 45001-2020/ISO 45001:2018



Warranty



■ New linear power warranty ■ Standard module linear power warranty

Hiwatt Solar Limited

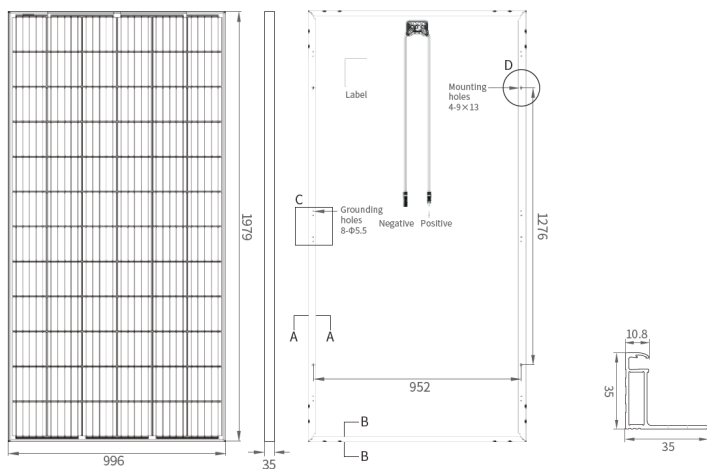
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MECHANICAL DIAGRAMS



SPECIFICATIONS

| | |
|--------------|--------------------|
| Solar Cells | Monocrystalline |
| No. Of Cells | 72(6x12) |
| Dimensions | 1979x996x35mm |
| Weight | 21.5kgs |
| Junction Box | IP 68, 3 Diodes |
| Cables | 4.0mm ² |
| Connectors | QC 4.10-35(1500V) |

ELECTRICAL DATA (STC)

| | | | | | |
|---------------------------------|--------|-------|-------|-------|-------|
| Peak Power Watts-PMAX (Wp) | 380 | 385 | 390 | 395 | 400 |
| Power Tolerance-PMAX (W) | 0 ~ +5 | | | | |
| Maximum Power Voltage -VMPP (V) | 39.43 | 39.65 | 39.87 | 40.05 | 40.21 |
| Maximum Power Current -IMPP (A) | 9.64 | 9.71 | 9.79 | 9.87 | 9.95 |
| Open Circuit Voltage -VOC (V) | 48.54 | 48.80 | 49.06 | 49.32 | 49.58 |
| Short Circuit Current -ISC (A) | 10.12 | 10.17 | 10.22 | 10.29 | 10.36 |
| Module Efficiency (%) | 19.3 | 19.5 | 19.8 | 20.0 | 20.3 |

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.

ELECTRICAL DATA (NOCT)

| | | | | | |
|---------------------------------|-------|-------|-------|-------|-------|
| Maximum Power-PMAX (Wp) | 282 | 286 | 290 | 294 | 298 |
| Maximum Power Voltage -VMPP (V) | 36.67 | 36.89 | 37.06 | 37.23 | 37.44 |
| Maximum Power Current -IMPP (A) | 7.71 | 7.77 | 7.83 | 7.90 | 7.96 |
| Open Circuit Voltage -VOC (V) | 45.52 | 45.77 | 46.01 | 46.25 | 46.49 |
| Short Circuit Current -ISC (A) | 8.16 | 8.21 | 8.25 | 8.30 | 8.35 |

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

TEMPERATURE RATINGS

| | |
|--|-------------|
| NOCT(Nominal Operating Cell Temperature) | 43°C (±2°C) |
| Temperature Coe-cient of PMAX | - 0.34%/°C |
| Temperature Coe-cient of VOC | - 0.25%/°C |
| Temperature Coe-cient of ISC | 0.04%/°C |

MAXIMUM RATINGS

| | |
|-------------------------|----------------|
| Operational Temperature | -40~+85°C |
| Maximum System Voltage | 1500V DC (IEC) |
| Max Series Fuse Rating | 30A |

PACKAGING

| | |
|----------------------------|------------|
| Modules per box: | 31 pieces |
| Modules per 40' container: | 726 pieces |

WARRANTY

- 12 year Product Workmanship Warranty
- 25 year Power Warranty
- 0.55% Annual Power Attenuation
- 2% first year degradation

CHARACTERISTICS

