Haitai Solar

**Half-Cell** SERIES

# HTM360~380MH3-60

## Half-Cell Monocrystalline Silicon PV Modules

### HIGH OUTPUT POWER

Output power is higher than the same type of conventional monocrystalline modules

### ANTI-PID CHARACTERISTICS

Ensure large-scale production of half-cell monocrystalline modules pass PID test

### HOT-SPOT EFFECT

Excellent hot-spot immunity, can effectively avoid the power loss caused by shadow coverage, significantly extend life span

### LOAD CAPACITY

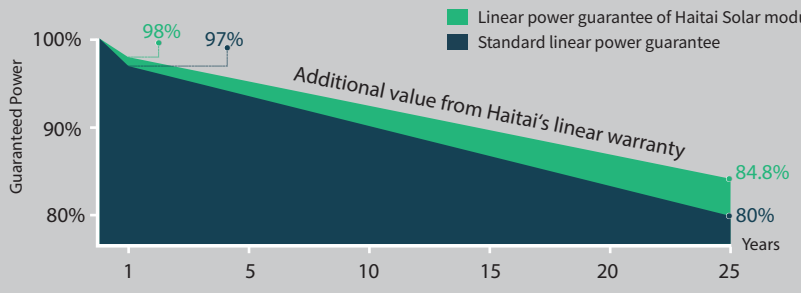
Certified to withstand:wind load(2400 Pascal)and snow load(5400 Pascal)

### HARSH ENVIRONMENT ADAPTATION

High salt mist and ammonia resistance certified by TUV

## LINEAR PERFORMANCE WARRANTY

12-year product warranty / 25-year linear power warranty
Linear attenuation of 0.55% per year within 25 years



## Mechanical Data

| | |
|---|---|
| Cell Type | 166×83mm Mono |
| Cell Orientation | 120(6×20) |
| Module Dimensions | 1755×1038×35mm |
| Weight | 20.0kg |
| Glass | 3.2mm high transmittance, reinforced glass |
| Backsheet | Anti-aging film |
| Frame Material | Anodized aluminum alloy(Black) |
| Junction Box | Protection class IP68 |
| Cable | 4.0 $mm^2$ positive pole: 1200 mm negative pole: 1200 mm wire length can be customized |
| Connector | MC4 compatible connector |

# HTM360~380MH3-60

**Half-Cell Monocrystalline Silicon PV Modules**

## Electrical Data (STC)

| Maximum Power (Pmax/W) | 360 | 365 | 370 | 375 | 380 |
|---|---|---|---|---|---|
| Voltage at Maximum Power (Vmp/V) | 33.52 | 33.72 | 33.92 | 34.12 | 34.32 |
| Current at Maximum Power (Imp/A) | 10.75 | 10.83 | 10.92 | 11.00 | 11.08 |
| Open Circuit Voltage (Voc/V) | 40.60 | 40.80 | 41.00 | 41.20 | 41.40 |
| Short Circuit Current (Isc/A) | 11.30 | 11.37 | 11.45 | 11.54 | 11.60 |
| Module Efficiency (%) | 19.76 | 20.04 | 20.31 | 20.59 | 20.86 |

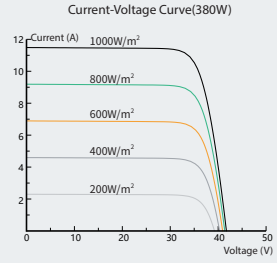
## Electrical Data (NMOT)

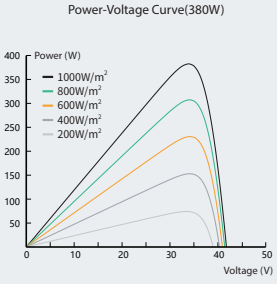
| Maximum Power (Pmax/W) | 267 | 271 | 275 | 279 | 283 |
|---|---|---|---|---|---|
| Voltage at Maximum Power (Vmp/V) | 30.74 | 30.94 | 31.14 | 31.34 | 31.54 |
| Current at Maximum Power (Imp/A) | 8.70 | 8.77 | 8.84 | 8.91 | 8.98 |
| Open Circuit Voltage (Voc/V) | 37.29 | 37.49 | 37.69 | 37.89 | 38.09 |
| Short Circuit Current (Isc/A) | 9.36 | 9.44 | 9.51 | 9.59 | 9.65 |

STC (Standard Testing Conditions): Irradiance 1000W/$m^2$, Cell Temperature 25℃, AM1.5

NMOT (Nominal Moudule Operating Temperature): Irradiance 800W/$m^2$, Ambient Temperature 20℃, AM1.5, Wind Speed 1m/s.

## I-V Curve




## Temperature Coefficients

| | |
|---|---|
| Temperature Coefficient (Pm) | -0.350%℃ |
| Temperature Coefficient (Voc) | -0.270%℃ |
| Temperature Coefficient (Isc) | 0.048%℃ |

## Operating Parameters

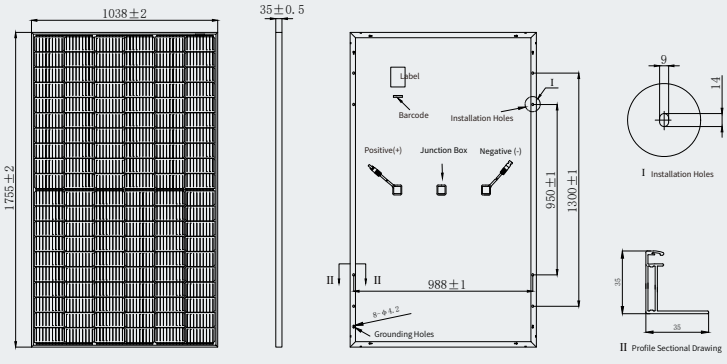
| | |
|---|---|
| Maximum System Voltage | 1000/1500V |
| Operating Temperature | -40℃ ~+85℃ |
| NMOT (Nominal Moudule Operating Temperature) | 41±3℃ |

## Packaging

Modules Per Pallet:31+31pcs / 31+31+4pcs

Modules Per 40'HQ Container:806pcs / 858pcs

## Module Dimensions (mm)




*Due to continuous innovation, R & D and product improvement, Haitai Solar has the right to adjust the specs on this datasheet at any time without prior notice.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