



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)

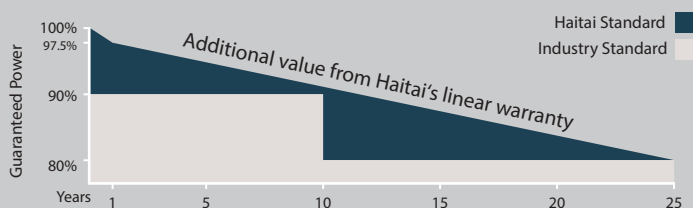


HARSH ENVIRONMENT ADAPTATION

High salt mist and ammonia resistance certified by TUV

LINEAR PERFORMANCE WARRANTY

12-year product warranty / 25-year linear power warranty



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 |
| Junction Box | Protection class IP68 |
| Cable | 4.0 mm ² positive pole: 300 mm negative pole: 400 mm wire length can be customized |
| Connector | MC4 compatible connector |

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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 |

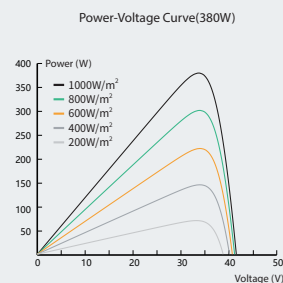
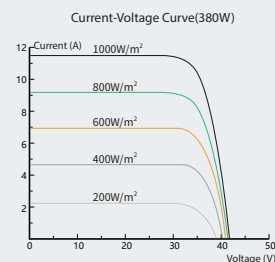
Electrical Data (NMOT)

| | | | | | |
|----------------------------------|-------|-------|--------|--------|--------|
| 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 | 37.688 | 37.888 | 38.088 |
| Short Circuit Current (Isc/A) | 9.36 | 9.44 | 9.51 | 9.59 | 9.65 |

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, AM1.5

NMOT (Nominal Module Operating Temperature): Irradiance 800W/m², Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.

I-V Curve



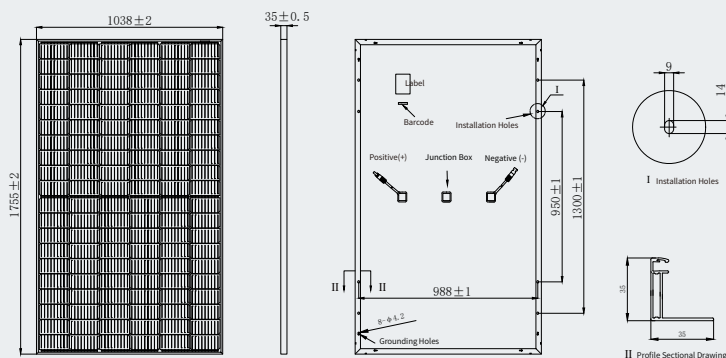
Temperature Coefficients

| | |
|-------------------------------|------------|
| Temperature Coefficient (Pm) | -0.350%/°C |
| Temperature Coefficient (Voc) | -0.270%/°C |
| Temperature Coefficient (Isc) | 0.048%/°C |

Operating Parameters

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

Module Dimensions (mm)



Packaging

| | |
|------------------------------|-----------------------|
| Modules Per Pallet: | 31+31pcs / 31+31+2pcs |
| Modules Per 40'HQ Container: | 744pcs / 768pcs |



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