

Haitai TaiHe 166

HTM360~380DMH3-60

Bifacial high efficiency mono PV module

20.86%

Module Efficiency 20.86%

PRODUCT FEATURES

High Efficiency
Power can be generated on both sides to support additional output gains of up to 25%.
The multi-busbar half-cut technology can boost energy density to deliver higher output.

High Reliability
Certified in TUV salt spray, ammonia corrosion, 2400Pa wind load and 5400Pa snow load testing. Highly reliable.

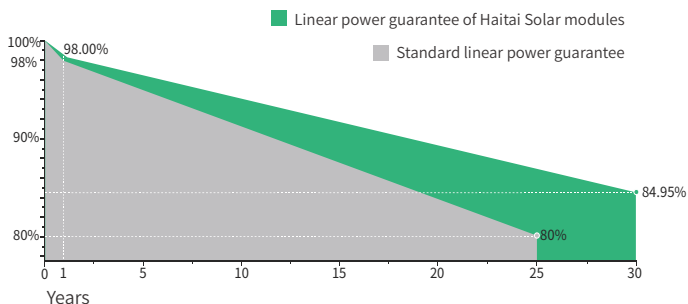
High ROI
Effectively reducing BOS costs to achieve lower LCOE and enhanced project profitability.

Low Degradation
First-year degradation is less than 2.0%, with linear degradation of 0.45% per year for 30 years.

Low Risk of Hot Spot
The next-generation cell technology and optimized circuit design adopted can support improved temperature coefficient and better hotspot resistance.

Low Risk of Micro-Crack
The multi-busbar technology contributes to more effective prevention of Micro crack and broken busbars.

LINEAR PERFORMANCE WARRANTY



12 YEARS product warranty

30 YEARS linear power warranty

0.45% Linear attenuation of 0.45% per year within 30 years

CERTIFICATES

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational health and safety management systems



Electrical Data (STC)

| | | | | | |
|---|---------------|-------|-------|-------|-------|
| Maximum Power (Pmax/W) | 360 | 365 | 370 | 375 | 380 |
| 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 |
| 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 |
| Module Efficiency (%) | 19.76 | 20.04 | 20.31 | 20.59 | 20.86 |
| Operating Temperature | -40° C~+85° C | | | | |
| Maximum System Voltage | 1000/1500V | | | | |
| STC (Standard Testing Conditions): Irradiance 1000W/m ² , Cell Temperature 25°C, AM1.5 | | | | | |

Electrical Data (NMOT)

| | | | | | |
|----------------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax/W) | 267 | 271 | 275 | 279 | 283 |
| 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 |
| 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 |

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

Bifacial Power Generation Parameters (Backside Gains)

| | | | | | | |
|-----|------------------------|-------|-------|-------|-------|-------|
| 5% | Maximum Power (Pmax/W) | 378 | 383 | 389 | 394 | 399 |
| | Module Efficiency (%) | 20.75 | 21.04 | 21.33 | 21.61 | 21.90 |
| 15% | Maximum Power (Pmax/W) | 414 | 420 | 426 | 431 | 437 |
| | Module Efficiency (%) | 22.73 | 23.04 | 23.36 | 23.67 | 23.99 |
| 25% | Maximum Power (Pmax/W) | 450 | 456 | 463 | 469 | 475 |
| | Module Efficiency (%) | 24.70 | 25.05 | 25.39 | 25.73 | 26.07 |

Mechanical Data

| | |
|-------------------|---|
| Cell Type | 166×83mm Mono |
| Cell Orientation | 120(6×20) |
| Module Dimensions | 1755×1038×30mm |
| Weight | 24.0kg |
| Glass | 2.0mm high transmittance, reinforced glass |
| Backsheet | 2.0mm part of the structure is grid-like white ceramic glass |
| Frame Material | Anodized aluminum alloy |
| Junction Box | Protection class IP68 |
| Cable | 4.0 mm ² positive pole: 200 mm negative pole: 250 mm wire length can be customized |
| Connector | MC4 compatible connector |

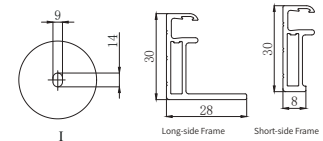
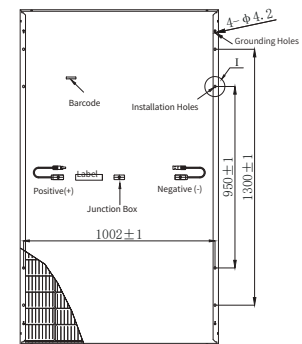
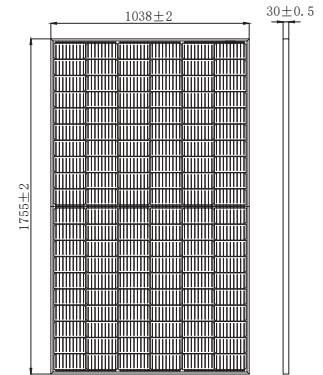
Temperature Coefficients

| | |
|---|------------|
| Temperature Coefficient (Pm) | -0.340%/°C |
| Temperature Coefficient (Voc) | -0.270%/°C |
| Temperature Coefficient (Isc) | 0.048%/°C |
| NMOT (Nominal Module Operating Temperature) | 41±3°C |

Packaging

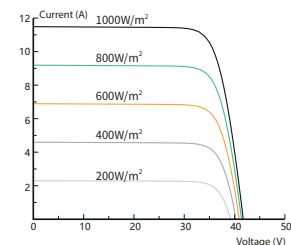
| | | |
|------------------------|-------------------------------|------------------------------|
| Transportation methods | Number of modules per cabinet | Number of modules per pallet |
| 40HQ container | 864pcs | 36pcs+36pcs |

Module Dimensions (mm)



I-V Curve

Current-Voltage Curve(380W)



Power-Voltage Curve(380W)

