



High-Efficiency PERC Monocrystal Solar Cell Modules
**HTM340/345/350/355/360/
 365/370MA-72**

Reliable Quality

0~+3% positive tolerance output warranty
 EL full inspection for twice effectively eliminates defects of products
 Optimize module current profile, improve system-side power generation



Module Characteristics



5 Busbar PERC High-Efficiency PV Cell

Adpot backside passivation (PERC) technology for higher power output; more uniform current collection capability, reduces current heat loss of module's internal cell



High Output Power

Monocrystal 72-cell module achieves a power output up to 370W



Anti-PID Characteristics

Ensure large-scale production monocrystal module pass PID test



Low-light Performance

Advanced glass and surface texturing allow for excellent performance in low-light environments



Load Capacity

Entire module certified to withstand high wind loads (2400 Pascal) and snow loads (5400 Pascal)

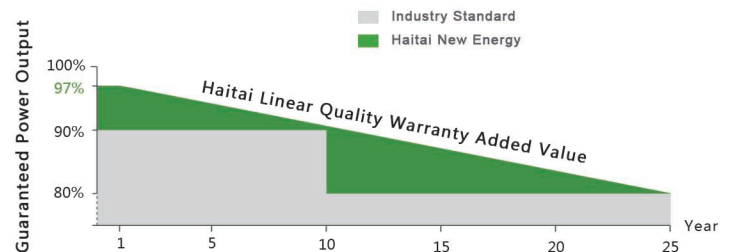


Harsh Environment Adaptation

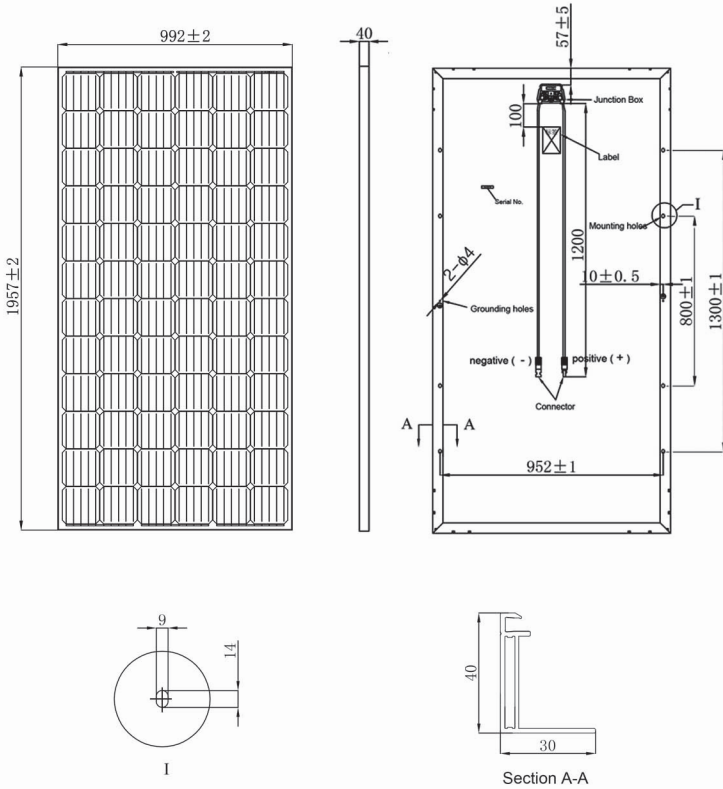
High salt mist and ammonia resistance certified by TUV NORD

Industry-leading Linear Quality Warranty

10-year material technology quality warranty • 25-year linear quality warranty



Module Dimensions(mm)



Packaging Capacity

Each box capacity: 26 pcs
 Container load capacity per 40 feet: 572 pcs

Electric Characteristics

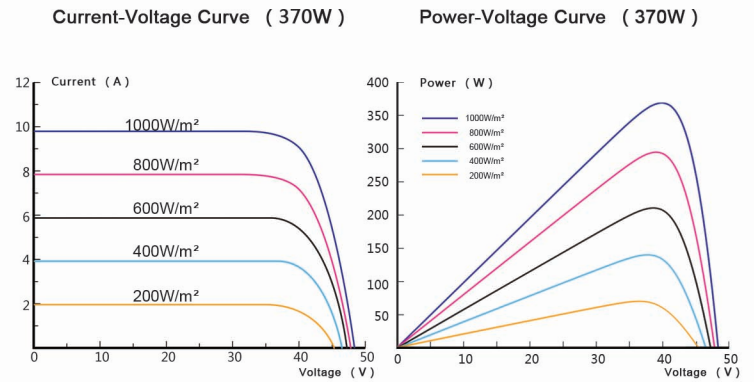
| Module Type | HTM340MA-72 | | HTM345MA-72 | | HTM350MA-72 | | HTM355MA-72 | | HTM360MA-72 | | HTM365MA-72 | | HTM370MA-72 | |
|--|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Output Power(Pm) | 340W | 251W | 345W | 255W | 350W | 259W | 355W | 262W | 360W | 266W | 365W | 270W | 370W | 274W |
| Maximum Power Voltage(Vmp) | 38.12V | 35.18V | 38.30V | 35.42V | 38.55V | 35.68V | 38.80V | 35.85V | 39.09V | 36.10V | 39.35V | 36.40V | 39.58V | 36.74V |
| Maximum Power Current(Imp) | 8.92A | 7.14A | 9.01A | 7.20A | 9.08A | 7.26A | 9.15A | 7.31A | 9.21A | 7.37A | 9.28A | 7.42A | 9.35A | 7.46A |
| Open-circuit Voltage(Voc) | 46.62V | 43.22V | 46.86V | 43.54V | 47.02V | 43.84V | 47.45V | 44.02V | 47.77V | 44.40V | 47.96V | 44.78V | 48.36V | 45.15V |
| Short-circuit Current(Isc) | 9.44A | 7.60A | 9.52A | 7.65A | 9.59A | 7.71A | 9.64A | 7.76A | 9.71A | 7.82A | 9.78A | 7.87A | 9.85A | 7.92A |
| Module Conversion Efficiency(STC) | 17.51% | | 17.77% | | 18.03% | | 18.29% | | 18.54% | | 18.80% | | 19.06% | |
| Maximum System Voltage | 1000V | | | | | | | | | | | | | |
| Operating Temperature | -40°C~+85°C | | | | | | | | | | | | | |
| Temperature Coefficient(Pm) | -0.393%/°C | | | | | | | | | | | | | |
| Temperature Coefficient(Voc) | -0.31%/°C | | | | | | | | | | | | | |
| Temperature Coefficient(Isc) | 0.041%/°C | | | | | | | | | | | | | |
| Cell Rated Operating Temperature(NOCT) | 45±2°C | | | | | | | | | | | | | |

STC : ☀️ Light intensity 1000W/m² 🌡️ Environment temperature : 25°C 🌬️ Air quality : AM1.5
 NOCT : ☀️ Light intensity 800W/m² 🌡️ Environment temperature : 20°C 🌬️ Air quality : AM1.5 🌀 Wind speed : 1m/s



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I-V Curve



Structure Parameter

| | |
|-------------------|--|
| Cell Type | 156.75x156.75mm Monocrystal |
| Cell Orientation | 72 (6x12) |
| Module Dimensions | 1957x992x40mm |
| Weight | 21.5kg |
| Front Cover | 3.2mm high transmittance, reinforced glass |
| Back Sheet | Anti-aging film |
| Frame Material | Anodized aluminum alloy |
| Junction Box | Protection class IP67 |
| Cable | 4.0mm² photovoltaic special cable |
| Connector | MC4 compatible connector |