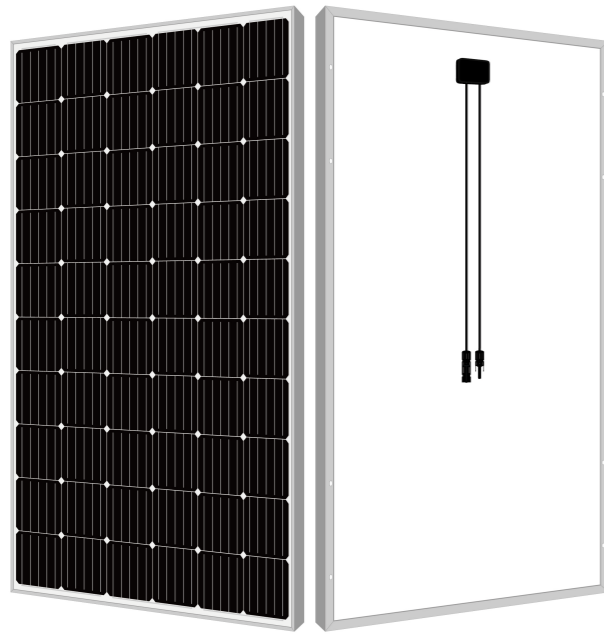
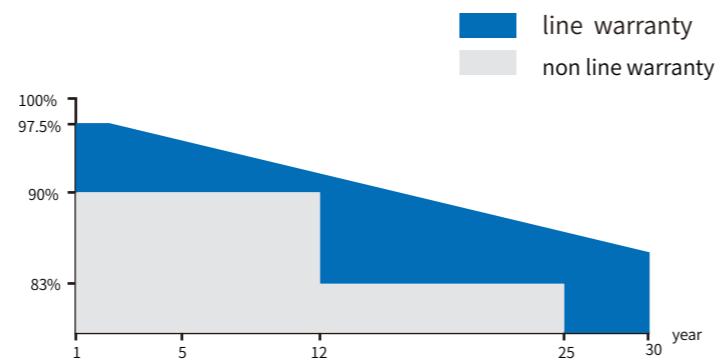


HR300W-HR320W



Global leader

12 years material warranty 25years line output warranty



Products characteristic

Solar cells :Multi Barsbarshigh efficiency cell

Excellent output rate: higher power output

Excellent PID resistance: the monocrystalline solar panels can be guaranteed to pass the PID (potential-induced attenuation) test

Fire safety (Class A, tested in TUA)

Water repellency: good in hydrophobicity

Frame: Anodized aluminum alloy frame, Easy to transport.

EL test :100% inspection to guarantee products quality by EL test.

Excellent low irradiance performance: Using low iron tempered glass with transmittance more than 97%, enhance the penetration of sunlight, excellent performance in low-light environment condition.

Excellent mechanical loading tolerance: pass the pressure test of 5400pa on the front and 2400pa on the back.Certified to withstand hail and heavy snow environment condition.

Work in sever environment: pass three performance and safety tests certified by TUV, safety for salt mist and ammonia corrosion.

Warranty: material&craft quality assurance and 90% output power guarantee in 12 years.line guaranty.

Automatic production Line: 300MW production ability

Junction box: outstanding quality junction box and connector.

Using high efficiency mono solar cells, the current is more uniform, reduce the current heat loss of the cells inside the module effectivly

Electrical Characteristics(STC)

| Module Type | HR300W | HR305W | HR310W | HR320W |
|--|-----------|--------|--------|--------|
| Maximum Power-Pmax(w) | 300 | 305 | 310 | 320 |
| Open Circuit Voltage-Voc(V) | 41 | 41.4 | 41.8 | 42.6 |
| Short-Circuit Current-Isc(A) | 9.83 | 9.87 | 9.92 | 10.01 |
| Voltage at Pmax-Vmp(V) | 33.9 | 34.3 | 34.7 | 35.5 |
| Current at Pmax-Imp(A) | 8.86 | 8.9 | 8.94 | 9.02 |
| Module Efficiency -ηm(%) | 18.3 | 18.6 | 19 | 19.8 |
| STC: Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5 | | | | |
| Power Tolerance(W) | (0,+4.99) | | | |
| Maximum System Voltage(V) | 1000 | | | |
| Maximum Series Fuse Rating(A) | 20 | | | |

Temperature Characteristics

| | |
|--|-----------|
| Pmax Temperature Coefficient | -0.40%/C |
| Voc Temperature COffcient | -0.32%/C |
| Isc Temperature COffcient | +0.05%/C |
| Operating Temperature | -40~+85°C |
| Nominal Operating Cell Temperature(NOCT) | 45±2°C |

Mechanical Specifications

| | |
|-----------------|---|
| Dimensions | 1640×992×35mm |
| Weight | 18.5kg |
| Solar Cells | Monocrystalline 156.75x156.75mm (60pcs) |
| Front Glass | 3.2 mm tempered glass, low iron |
| Frame | Anodized aluminum alloy |
| Junction Box | IP67 |
| Mechanical Load | 5400Pa |
| Output Cables | 4.0mm ² ,cable length:900mm |
| Connector | MC4 Compatible |

Packing List

| Container | 20'GP | 40'GP |
|-----------------------|-------|-------|
| Pieces per Pallet | 30 | 30 |
| Pallets per Container | 12 | 28 |
| Pieces per Container | 360 | 840 |