

HSxxxUC-HH2 Series

345~370W Mono Half-Cut 132 Cells

Those who dream of a better future can help lead to a more meaningful and enriched world. As a leading solar module manufacturer in Korea, we never stop to achieve competitiveness through differentiation, implement the maximum value, and commit to sustainable development with customers.



I Certificates



Quality

- ISO 9001:2015
- OHSAS 18001:2007
- ISO 14001:2015
- ISO/TS 16949:2009
- Bankability Tier1 PV module manufacturer



Product

- IEC 61215 / IEC 61730 : TUV / CE
- UL 1703 Fire Rating Type1
- UL790 Fire Rating Class C
- Assembled in Korea

I Key Features



Linear Performance Warranty

- 12 Years product warranty
- 25 Years linear performance warranty



Certified Durability

- 5,400 Pa snow load
- 2,400 Pa wind load



1,500V

- Designed for UL and IEC 1,500V
- Saving BoS costs

I Optional Features



Perfect Black

- Black anodized frame
- Black back sheet
- Black string ribbon



Floating PV Installation

- Module backside blocks
moisture permeability

Electrical Data / STC (UC-HH2) : Irradiance of 1000W/m², spectrum AM 1.5 and cell temperature of 25 °C

| HSxxxUC-HH2 | | HS345UC-HH2 | HS350UC-HH2 | HS355UC-HH2 | HS360UC-HH2 | HS365UC-HH2 | HS370UC-HH2 |
|-------------------------|----------|-----------------|-------------|-------------|-------------|-------------|-------------|
| Nominal Max Power | Pmax(Wp) | 345 | 350 | 355 | 360 | 365 | 370 |
| Voltage at Pmax | Vmp(V) | 37.3 | 37.5 | 37.7 | 37.9 | 38.1 | 38.3 |
| Current at Pmax | Imp(A) | 9.25 | 9.34 | 9.42 | 9.50 | 9.59 | 9.67 |
| Open Circuit Voltage | Voc(V) | 44.0 | 44.2 | 44.4 | 44.6 | 44.8 | 45.0 |
| Short Circuit Current | Isc(A) | 9.75 | 9.84 | 9.92 | 10.00 | 10.09 | 10.17 |
| Module Efficiency | % | 18.40% | 18.67% | 18.94% | 19.20% | 19.47% | 19.74% |
| Operating Temperature | | -40 °C ~ +85 °C | | | | | |
| Max. System Voltage | | 1500 Vdc | | | | | |
| Max. Series Fuse Rating | | 20A | | | | | |
| Max. Reverse Current | | 20A | | | | | |
| Power tolerance | | -0 ~ +5W | | | | | |

Electrical Data / NOCT (UC-HH2) : Irradiance of 800W/m², spectrum AM 1.5 and Ambient Temperature 20 °C, wind speed 1m/s

| | | | | | | | |
|-----------------------|----------|-------|-------|-------|-------|-------|-------|
| Nominal Max Power | Pmax(Wp) | 254.6 | 258.6 | 262.1 | 265.7 | 269.5 | 273.1 |
| Voltage at Pmax | Vmp(V) | 34.4 | 34.5 | 34.7 | 34.9 | 35.1 | 35.2 |
| Current at Pmax | Imp(A) | 7.41 | 7.49 | 7.55 | 7.62 | 7.69 | 7.75 |
| Open Circuit Voltage | Voc(V) | 40.9 | 41.0 | 41.2 | 41.4 | 41.6 | 41.8 |
| Short Circuit Current | Isc(A) | 7.87 | 7.94 | 8.00 | 8.07 | 8.14 | 8.21 |

Mechanical Data

| | |
|-----------------------------|--|
| Cell Type | Mono-crystalline, 6 inch |
| Cell Arrangement | 132 Half Cell(6x22) |
| Dimensions | 1856 x 1010 x 35/40mm(73.07 x 39.76 x 1.38/1.57in) |
| Weight | 20.0kg(44.1lbs)/ 20.6kg(45.4lbs) |
| Stand. Packaging | 29pcs/ 26pcs(Vertical) |
| Module Pieces per Container | 696 / 624pcs |
| Pallets per Container | 24 |
| Frame | Anodized aluminum |
| Front Glass | 3,2mm(0.13in) tempered glass |
| J-Box | IP68, 3 diodes |
| Output Cable | (+)1000mm(39.37in), (-)1000mm(49.37in), 12AWG |
| Connectors | QC,4,10-35 |
| Module Fire Performance | Type 1 |

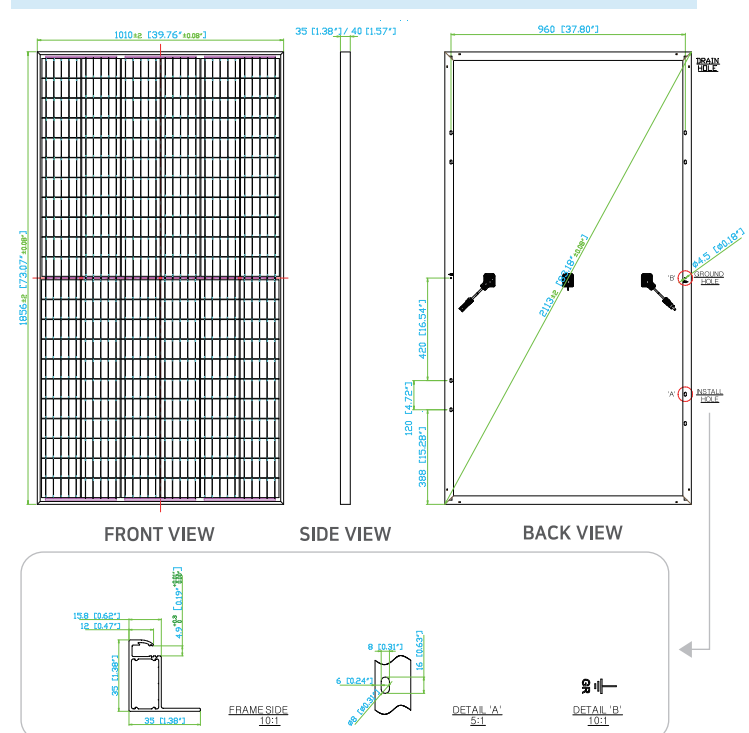
Warranties

| | |
|-------------|---|
| Product | 12 years |
| Performance | 25 years linear power warranty (>82.2%) |

Temperature Characteristics

| Specifications | Data |
|-----------------------------------|----------|
| Temperature coefficient (Pmax) | -0.34 |
| Temperature coefficient (Voc) | -0.27 |
| Temperature coefficient (Isc) | 0.04 |
| Normal Operating Cell Temperature | 46.7±2°C |

MODULE DIAGRAM unit : mm(inch)



I-V Curve according to Irradiance

