

HeterojunctionTechnology

Up to 21.96% efficiency for black module

166mm Cel

Unique 12BB HJT Cell with Half-cut design

SMBB Half-Cut Cell Technology

Black but transparent outfit, elegant for any rooftop

Up to 95% Bifaciality

15/30 years warranty, long-term high performance ensured

Reliable, DurableSustainable

WARRANTY

15years ProductWarranty

LinearPowerWarranty 30years

Heterojunction166mm Cell











HS-B144

DSN475

475W

21.85%

44.75V

10.63A

53.78V

11.14A

HS-B144

DSN480

480W

22.08%

44.81V

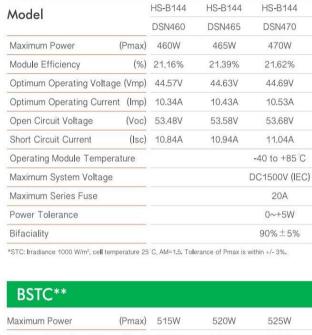
10.73A

53.88V

11.24A

460w-480w

144-cell Bifacial Transparent HJT Half Cell Solar Module



Electrical Characteristics (STC*)

| Maximum Power | (Pmax) | 515W | 520W | 525W | 530W | 535W |
|-------------------------|----------|--------|--------|--------|--------|--------|
| Optimum Operating Volta | ge (Vmp) | 46.44V | 46.64V | 46.84V | 47.04V | 47.24V |
| Optimum Operating Curre | nt (Imp) | 11.19A | 11.23A | 11.27A | 11.31A | 11.35A |
| Open Circuit Voltage | (Voc) | 54.66V | 54.92V | 56.37V | 55.97V | 56.63V |
| Short Circuit Current | (Isc) | 11.58A | 11.61A | 11.64A | 11.66A | 11.69A |

Temperature Characteristics Nominal Operating Cell Temp. (NOCT) Temperature coefficiency of Pmax -0.26%/ C Temperature coefficiency of Voc Temperature coefficiency of Isc 0.04%/ C

| Safety & Warranty | | | | |
|----------------------|-------------------------|--|--|--|
| Safety Class | Class II | | | |
| Product Warranty | 15 yrs Workmanship | | | |
| Performance Warranty | 30 vrs Linear Warrantv* | | | |

^{* 1}st year 99%, after 2nd year 0,375% annual degradation to year 30.



| Cell Type | HJT Mono 166×83mm | | |
|------------------|--|--|--|
| Cell Connection | 144 (72×2) | | |
| Module Dimension | 2094×1038×30 mm | | |
| Weight | 27.5 kg | | |
| Junction Box | IP67 / IP68 | | |
| Output Cable | 4mm², 1200mm in length, length can be customized / UV Resistant | | |
| Connectors Type | MC4 Compatible | | |
| Frame | Anodised Aluminum Alloy | | |
| Encapsulant | POE | | |
| Front Load | 5400 Pa | | |
| Rear Load | 2400 Pa | | |
| Glass Thickness | (E) 2 0mm Anti-reflective surface Solar glass I (B) 2 0mm Solar gl | | |

| | © | | | | |
|-------------------------|-------------|--------------------|--|--|--|
| Shipping Configurations | | | | | |
| ~ | HC | GP | | | |
| | 40 ' | 20' | | | |
| | 22 | 5 | | | |
| (pcs) | 36 | 36 | | | |
| (pcs) | 792 | 180 | | | |
| | (pcs) | HC 40' 22 (pcs) 36 | | | |



