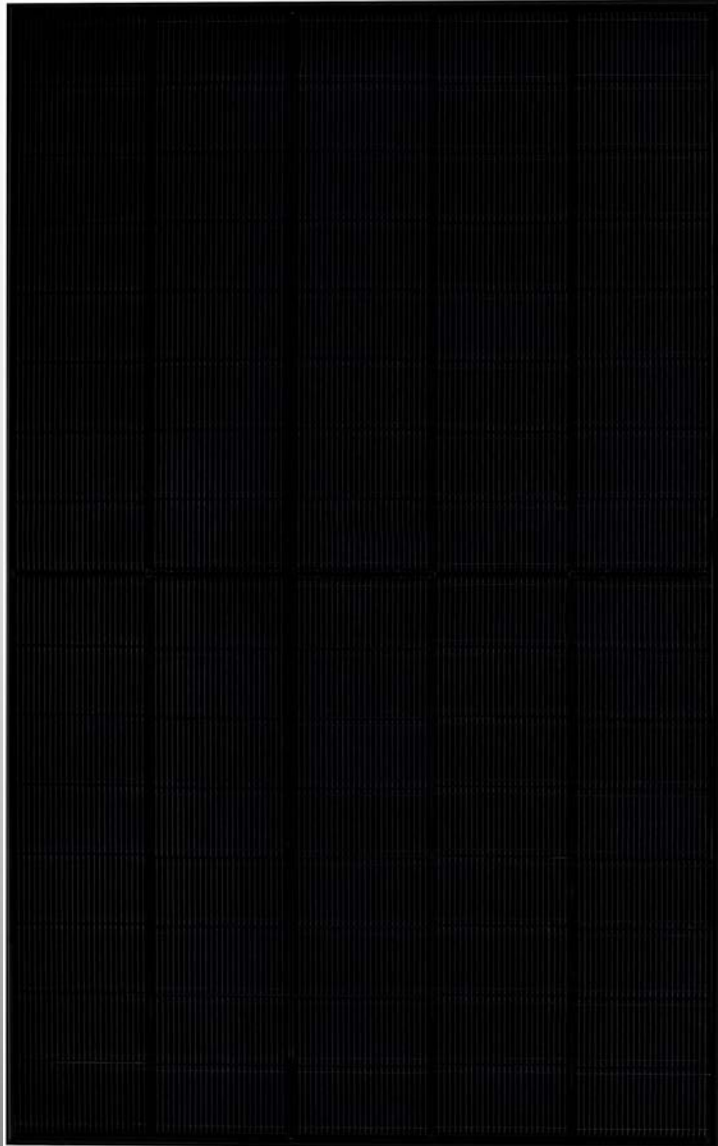


210HJT Lead Free Solar Module



Advantages

More Power Output

- Advanced 210HJT cell and 24BB module technology leads to higher efficiency(22.1%);
- Better Weak Illumination Response and Lower temperature coefficient (-0.24%) for HJT;
- N-type solar cell has no LID naturally, can increase power generation

Better Looking

- Excellent cell color control by HJT technology ;
- Designed with aesthetics in mind, 24BB thinner wires that appear all black at a distance

Maximum safety

- Double-glass design leads to avoid fire ;
- Perfect size and low weight, Easy for handling and Economy for transporting;
- Diverse installation solutions. Flexible for system deployment

ECO Friendly

- Innovative 24BB module technology leads to LEAD-FREE;
- Double-glass design leads to fluoride-free ;
- 210HJT technology leads to thinner wafer and lower energy deployment

425W

Max Power output

22.1%

Max Panel Efficiency

LEAD FREE

Advanced 24BB Technology

HJT

210 Wafer

HJT

UP-H400-425MB



upinsolar

Maximum power of the HJT series : 700W

Electrical data(NOCT)

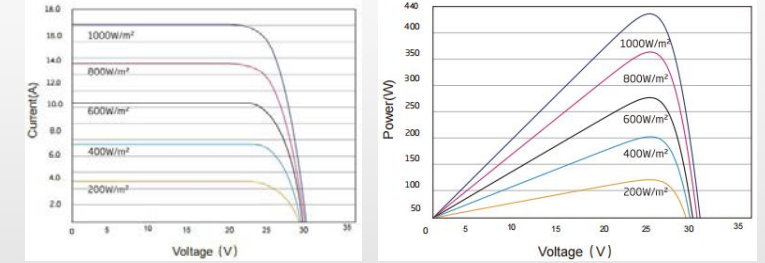
Max. Power Output Pmax (W)	306	310	313	317	321
Max. Power Voltage Vmp (V)	23.8	23.9	24.1	24.2	24.3
Max. Power Current Imp (A)	12.86	12.94	13.04	13.12	13.20
Open Circuit Voltage Voc (V)	28.3	28.4	28.6	28.7	28.8
Short Circuit Current Isc (A)	13.74	13.8	13.88	13.96	14.02

Electrical data(STC)

Max. Power Output Pmax (W)	405	410	415	420	425
Max. Power Voltage Vmp (V)	25.4	25.5	25.7	25.8	25.9
Max. Power Current Imp (A)	15.98	16.08	16.18	16.29	16.42
Open Circuit Voltage Voc (V)	29.7	29.8	29.9	30.1	30.2
Short Circuit Current Isc (A)	17.02	17.09	17.19	17.29	17.39
Module Efficiency(%)	21.1	21.3	21.6	21.8	22.1

*STC (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

*Measurement Tolerance (±3.0%)



Operating Properties

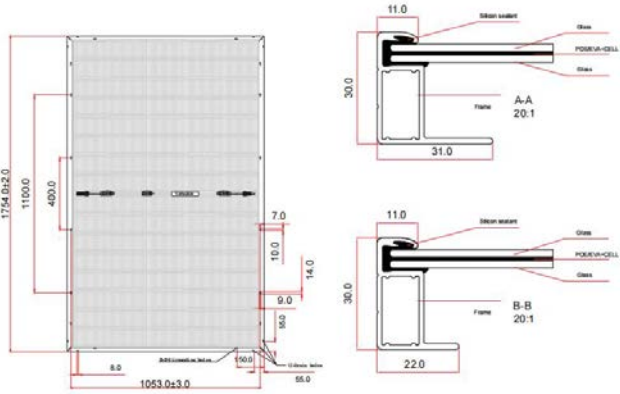
Maximum System Voltage (V)	1500(DC)
Operating Temperature (°C)	-40~+85
Mechanical load(pa)	2400/5400
Maximum Series Fuse Rating (A)	30

Packaging Configuration

Modules Per Pallet	36pcs
Modules Per Container(40HC)	936cs
Modules Per Container(20GP)	216cs

Quality Management System and Product Certification

IEC61215/61730、IEC62804(PID)、IEC61701(Salt)、IEC62716 (Ammonia)、IEC60068-2-68(Sand)
 ISO 9001:2015 / quality management system
 ISO 14001:2015 / environmental management system
 ISO 45001:2018 / occupation health safety management system
 ISO 50001:2011 / energy management system
 IEC TS 62941—2016 / PV industry quality management system

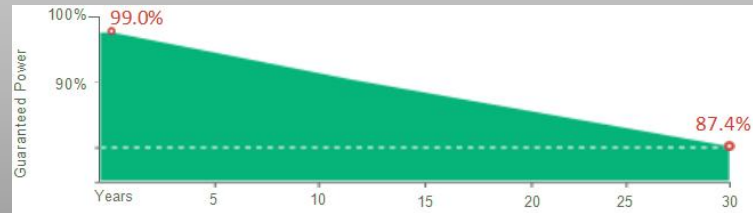


Mechanical Data

Solar Cells	HJT 210x105mm
No. of cells	80pcs(5x16)
Module Dimensions	1754x1096x30mm
Weight	23.6kg
Glass	2.0 mm , Double AR Coated Heat Strengthened Gla
Frame	30mm Anodized Aluminium Alloy
J-Box	IP 68 rated (3 diodes)
Cables	4.0mm ² ,Length can be customized

Temperature Ratings

Temperature Coefficients of Pmp	-0.24%/ °C
Temperature Coefficients of Voc	-0.22%/ °C
Temperature Coefficients of Isc	+0.047%/ °C
NOCT(Nominal Operating Cell Temperature)	43±2°C



HJT

