

HJT Series

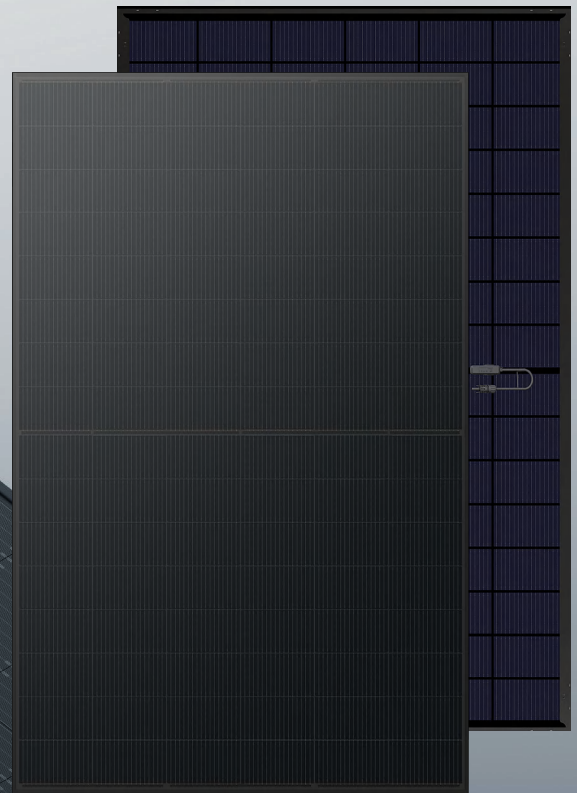
Full Black Bifacial Module with Double Glass

440~470W

 Residential

 C&I

23.5%
Max. Efficiency



HJT Technology

Combining gettering process and μ c-Si technology to ensure higher cell efficiency and higher module power



Up to 95% Bifaciality

Natural symmetrical bifacial structure bringing more energy yield from the backside.



Sealing with PIB

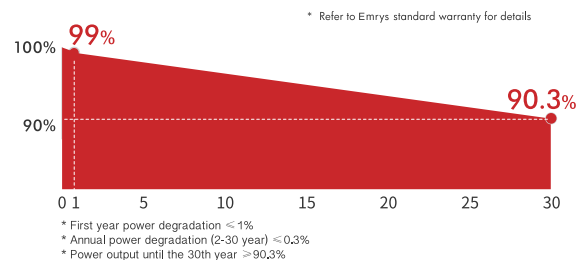
Integrated coating frames ensuring modules passing the IEC salt-mist test level 8



Suitable for Utility project

Lower BOS cost, lower LCOE

LINEAR PERFORMANCE WARRANTY



30 years
Product Workmanship
Warranty

30 years
Output Power
Warranty

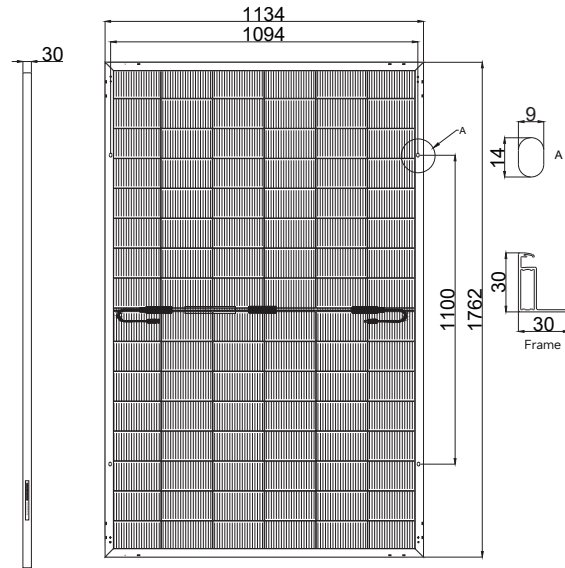
IEC61215, IEC61730
 ISO9001: Quality Management System
 ISO45001:
 Occupational health and safety
 management systems

440-470W

96-Half-Cell Bifacial HJT Module

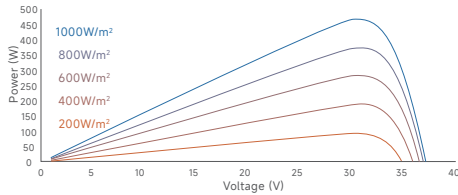
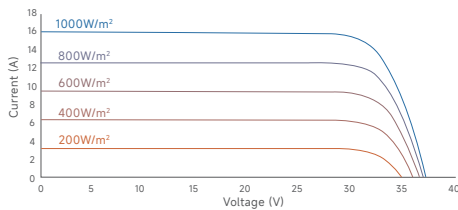
Engineering Drawings

Unit: mm



I-V Curve

(210R-B96-470)



Temperature Coefficients

Temperature Coefficient of Pmax	-0.24%/°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	+0.04%/°C

Operating Conditions

Nominal Operating Cell Temp.	44±2°C
Operating Temperature	-40~+85°C
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	30A
Tolerance of Pmax	0~+3%
Power Selection	0~+5W
Bifaciality	90±5%
Safety Class	Class II

Mechanical Characteristics

Cell Type	HJT
No. of Cells	96 (6x16)
Dimensions	1762x1134x30mm
Weight	24.4 kg
Junction Box	IP68
Cable	4mm²; Landscape: 1100 mm (+) /1100 mm (-)
Connector	MC4-Evo 2 / Others
Frame	Anodized aluminum alloy frame
Max Static Load (front side/rear side)	5400Pa / 2400Pa
Glass	Dual glass, 2.0mm

Electrical Characteristics

STC

HSN-210R-B96	440	445	450	455	460	465	470
Maximum Power (Pmax/W)	440	445	450	455	460	465	470
Module Efficiency (%)	22.0	22.3	22.5	22.8	23.0	23.3	23.5
Voltage at Pmax (Vmp/V)	30.61	30.72	30.83	30.94	31.05	31.16	31.27
Current at Pmax (Imp/A)	14.38	14.49	14.60	14.71	14.82	14.93	15.04
Open Circuit Voltage (Voc/V)	36.52	36.62	36.72	36.82	36.92	37.02	37.12
Short Circuit Current (Isc/A)	15.31	15.42	15.53	15.64	15.75	15.86	15.97

STC: AM1.5, 1000W/m², 25°C.

BNPI

	493	499	504	510	515	521	527
Maximum Power (Pmax/W)	493	499	504	510	515	521	527
Voltage at Pmax (Vmp/V)	30.72	30.83	30.94	31.05	31.16	31.27	31.38
Current at Pmax (Imp/A)	16.07	16.19	16.31	16.44	16.56	16.68	16.80
Open Circuit Voltage (Voc/V)	36.65	36.75	36.85	36.95	37.05	37.15	37.25
Short Circuit Current (Isc/A)	17.17	17.29	17.42	17.54	17.66	17.79	17.91

BNPI: AM1.5, 1000W/m², 135W/m², 25°C.

NOCT

	335	339	343	347	351	355	358
Maximum Power (Pmax/W)	335	339	343	347	351	355	358
Voltage at Pmax (Vmp/V)	29.23	29.34	29.45	29.55	29.65	29.76	29.86
Current at Pmax (Imp/A)	11.49	11.58	11.67	11.76	11.84	11.93	12.02
Open Circuit Voltage (Voc/V)	34.86	34.95	35.05	35.14	35.24	35.33	35.43
Short Circuit Current (Isc/A)	12.24	12.32	12.41	12.50	12.59	12.68	12.76

NOCT: AM1.5, 800W/m², 20°C, 1m/s.

Packaging

	40'HQ
Modules Per Pallet	37
Pallets Per Container	26
Modules Per Container	962