HUASUN

HETEROJUNCTION TECHNOLOGY

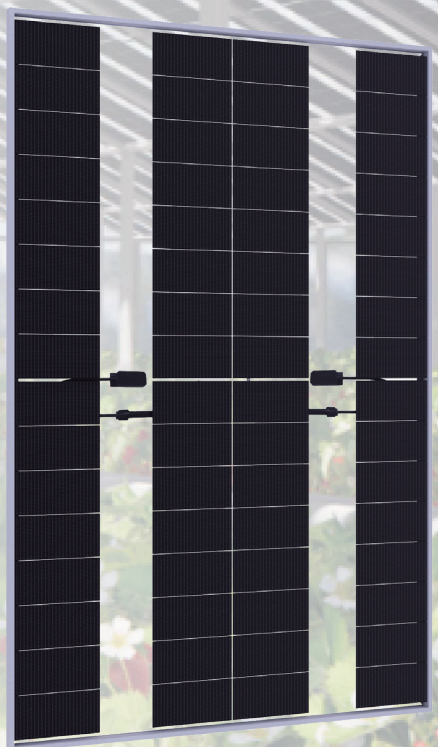
64 Half-cell Agrivoltaics HJT Module

285-295W

Through More Light IN, Gain More Greens.

HJT-0BB Technology
Shorter current transport path, better low-light performance, and higher power generation.

Dual Benefits
Perfectly matching the lighting requirements of crop cultivation, achieving dual benefits in electricity generation and cultivation.



For reference only

15 YEARS PRODUCT WARRANTY

30 YEARS LINEAR WARRANTY

Complete System and Product Certfications:

IEC61215, IEC61730

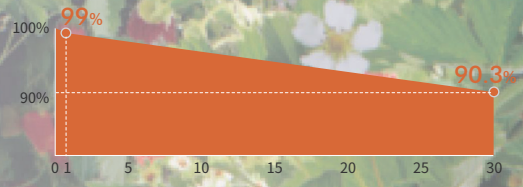
ISO9001: 2015 Quality Management System

ISO14001: 2015 Environment Management System

ISO45001: 2018 Occupational Health and Safety

IEC62941: 2019 Terrestrial Photovoltaic (PV) Modules-quality System for PV Module Manufacturing

IEC/TS62994: 2019 Photovoltaic (PV) Modules Through the Life Cycle-environmental Health and Safety (EH&S) Risk Assessment-general Principles and Nomenclature



* First year power degradation < 1%
* Annual power degradation (2-30 year) < 0.3%
* Power output until the 30th year ≥ 90.3%

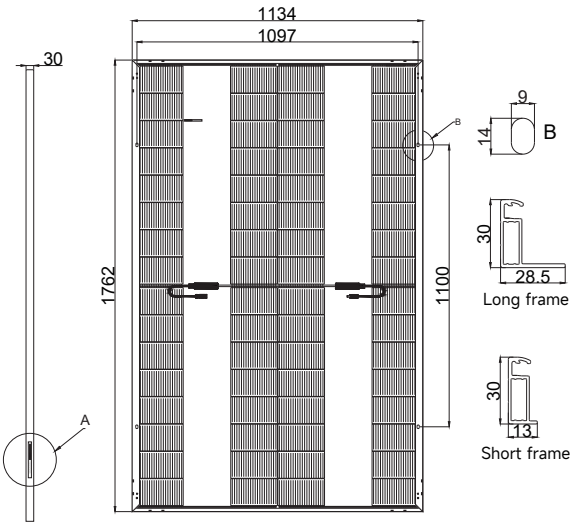
HSN-210R-B64 285-295W

64-cell Bifacial HJT Solar Half Cell Module

- BloombergNEF Tier 1 PV module manufacturer
- Reinsurance underwritten by Ariel Re

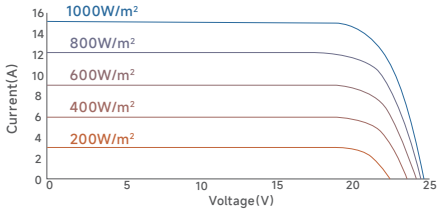
Engineering Drawings

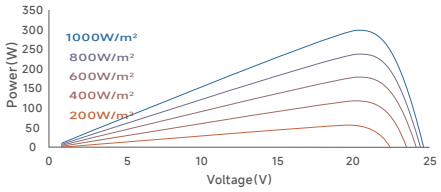
Unit: mm



I-V Curve

(HSN-210R-B64DSN295)





Temperature Characteristics

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	64(4x16)
Dimensions	1762x1134x30mm
Weight	21.5Kg
Junction Box	IP68
Cable	4mm²;+350/-450mm or customized; UV resistant
Connector	PV-H1 / MC4-Evo 2 / Others
Frame	Anodized aluminum alloy frame
Max Static Load (front side/rear side)	5400Pa / 2400Pa
Glass	Dual glass, 1.6mm

Electrical Characteristics

STC

HSN-210R-B64	DSN285	DSN290	DSN295
Maximum Power (Pmax/W)	285	290	295
Module Efficiency (%)	14.3	14.5	14.8
Voltage at Pmax (Vmp/V)	20.12	20.26	20.40
Current at Pmax (Imp/A)	14.17	14.32	14.46
Open Circuit Voltage (Voc/V)	24.00	24.16	24.32
Short Circuit Current (Isc/A)	14.86	15.02	15.16

STC: AM1.5, 1000W/m², 25°C.

BNPI

Maximum Power (Pmax/W)	319	325	330
Voltage at Pmax (Vmp/V)	20.19	20.33	20.48
Current at Pmax (Imp/A)	15.83	16.00	16.16
Open Circuit Voltage (Voc/V)	24.08	24.24	24.40
Short Circuit Current (Isc/A)	16.67	16.84	17.01

BNPI: AM1.5, 1000W/m², 135W/m², 25°C.

NOCT

Maximum Power (Pmax/W)	217	221	225
Voltage at Pmax (Vmp/V)	19.22	19.35	19.49
Current at Pmax (Imp/A)	11.32	11.44	11.56
Open Circuit Voltage (Voc/V)	22.91	23.06	23.21
Short Circuit Current (Isc/A)	11.88	12.00	12.12

NOCT: AM1.5, 800W/m², 20°C, 1m/s.

Packaging

	40'HQ
Modules Per Pallet	36
Pallets Per Container	26
Modules Per Container	936

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