

# Kunlun G12 Series **Ultra-high bifaciality**

# 700-720W

**132-cell** Bifacial HJT Half-cell Double-glass Solar Module



- HJT-0BB Technology**  
 Shorter current transport path, better low-light performance and higher power generation
- Ultra-high Bifaciality**  
 Natural symmetrical bifacial structure bringing more energy yield from the backside
- Ultimate Reduction of Floor Space**  
 Eliminating negative impact on land resource
- Ultra-low Operating Costs**  
 Preventing snow-cover and dust stratification by vertical installation to reduce maintenance costs



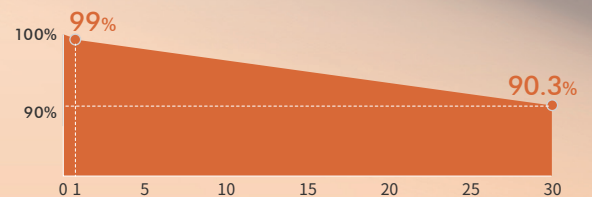
## Application Scenarios

- Ground**
- Farm & Pasture**
- High Speed**



Complete System and Product Certifications:

- 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/TSG2994: 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%

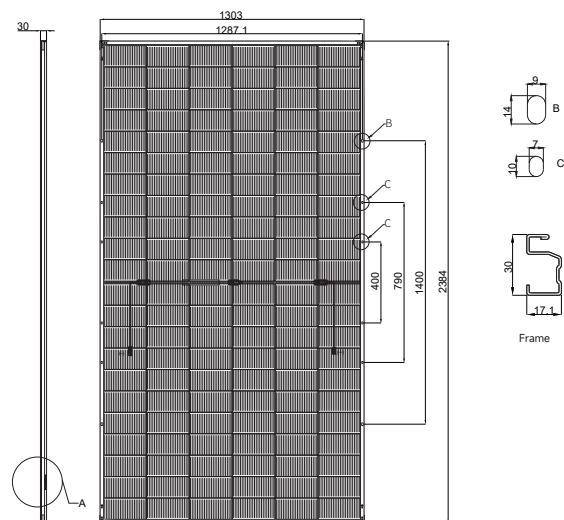
# HSN-210-B132 700-720W

132-Half-Cell Bifacial HJT Module

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

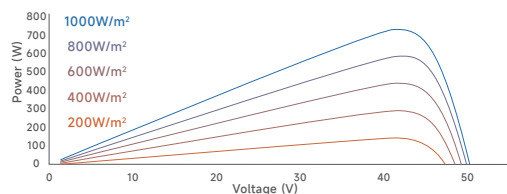
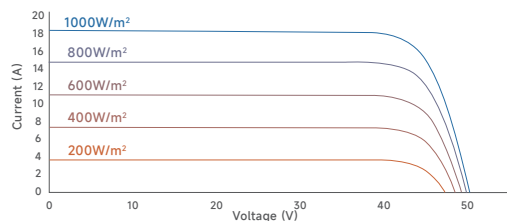
## Engineering Drawings

Unit: mm



## I-V Curve

(HSN-210-B132DSU720)



## 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	35A
Tolerance of Pmax	0~+3%
Power Selection	0~+5W
Bifaciality	95±5%
Safety Class	Class II

## Mechanical Characteristics

Cell Type	HJT
No. of Cells	132 (6x22)
Dimensions	2384x1303x30mm
Weight	39.9kg
Junction Box	IP68
Cable	4mm <sup>2</sup> ;+350/-250mm or customized; UV resistant
Connector	MC4 / MC4-Evo2 / MC4-Evo2A / PV-H4 / Z4S-abcd / PV-ZH202B
Frame	Alloy steel frame
Max Static Load (front side/rear side)	±2400Pa (vertical installation manual)
Glass	Dual glass, 2.0mm

## Electrical Characteristics

### STC

HSN-210-B132	DSU700	DSU705	DSU710	DSU715	DSU720
Maximum Power (Pmax/W)	700	705	710	715	720
Module Efficiency (%)	22.5	22.7	22.9	23.0	23.2
Voltage at Pmax (Vmp/V)	41.78	41.87	41.96	42.05	42.14
Current at Pmax (Imp/A)	16.76	16.84	16.93	17.02	17.10
Open Circuit Voltage (Voc/V)	49.77	49.87	49.97	50.07	50.17
Short Circuit Current (Isc/A)	17.81	17.90	17.99	18.08	18.17

STC: AM1.5, 1000W/m<sup>2</sup>, 25°C.

### BNPI

Maximum Power (Pmax/W)	789	795	801	806	812
Voltage at Pmax (Vmp/V)	41.92	42.02	42.11	42.20	42.29
Current at Pmax (Imp/A)	18.84	18.93	19.02	19.12	19.21
Open Circuit Voltage (Voc/V)	49.94	50.04	50.14	50.24	50.34
Short Circuit Current (Isc/A)	20.09	20.20	20.30	20.40	20.50

BNPI: AM1.5, 1000W/m<sup>2</sup>, 135W/m<sup>2</sup>, 25°C.

### NOCT

Maximum Power (Pmax/W)	534	538	542	545	549
Voltage at Pmax (Vmp/V)	39.90	40.00	40.07	40.14	40.23
Current at Pmax (Imp/A)	13.39	13.46	13.53	13.60	13.67
Open Circuit Voltage (Voc/V)	47.50	47.60	47.69	47.79	47.88
Short Circuit Current (Isc/A)	14.23	14.31	14.38	14.45	14.52

NOCT: AM1.5, 800W/m<sup>2</sup>, 20°C, 1m/s.

## Packaging

	40'HQ
Modules Per Pallet	34
Pallets Per Container	16
Modules Per Container	544



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