

# 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-low operation and maintenance costs

Vertical installation ensures no snow or dust accumulation, significantly reducing operation and maintenance costs.



### Preferred for vertical installation scenario

Extremely small projection area, suitable for agricultural and transportation scenarios.



### Ultra-high bifacial rate

Nearly 100% bifacial rate.

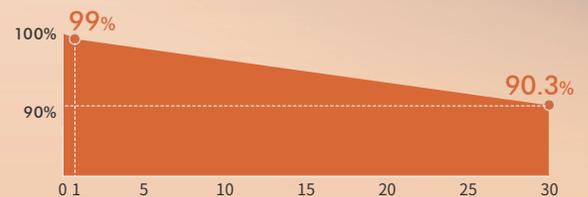


For reference only



#### Complete System and Product Certifications:

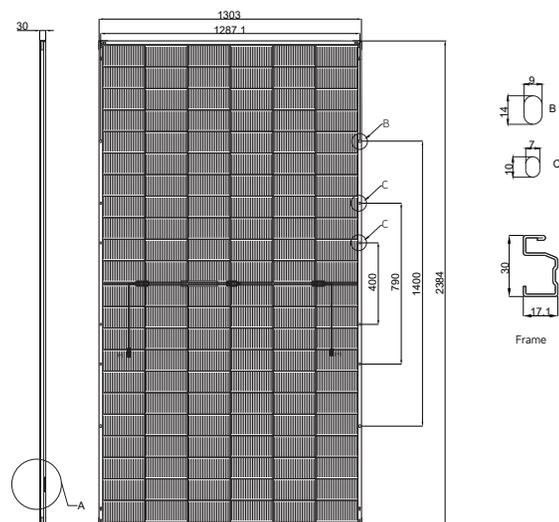
- IEC61215, IEC61730
- ISO9001: 2015 Quality Management System
- ISO14001: 2015 Environment Management System
- ISO45001: 2018 Occupational Health and Safety
- IEC62941: 2019 Terrestrial Photovoltaic (PV) Modules-quality System for PV Module Manufacturing
- IEC/TSG2994: 2019 Photovoltaic (PV) Modules 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%

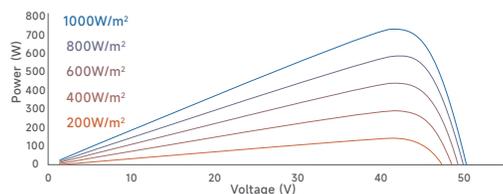
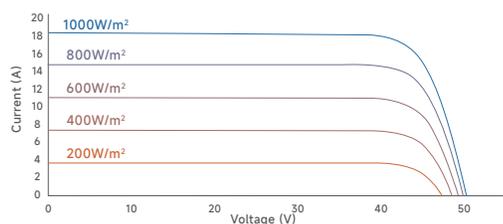
### Engineering Drawings

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	97±3%
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	PV-H1 / MC4-Evo 2 / Others
Frame	Alloy steel frame
Max Static Load (front side/rear side)	±3000Pa (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	35
Pallets Per Container	16
Modules Per Container	560



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