

Nebula Series HJT

Mono-Crystalline 710-730W

0~+5W POWER TOLERANCE

High efficiency H - type double glass HJT solar module

HJT 210mm solar cell

-0.24%/°C temperature coefficient, SMBB technology

Up to 95% bifaciality, PIB sealant, Higher reliability

Harsh environmental adaptation

Bifacial module, Suitable for utility-scale power stations

15 years material warranty

15

30 years power linear warranty

30

132

HALF-CUT
CELLS

210
x210
mm

SQUARE
CELLS

A sound quality management
system and product certification

IEC 61215-1:2021, EN IEC 61215-1:2021/AC:2021

IEC 61215-1-1:2021, EN IEC 61215-1-1:2021

IEC 61215-2:2021, EN IEC 61215-2:2021, IEC 61730-1:2023, IEC 61730-2:2023

ISO9001:2015: Quality management system

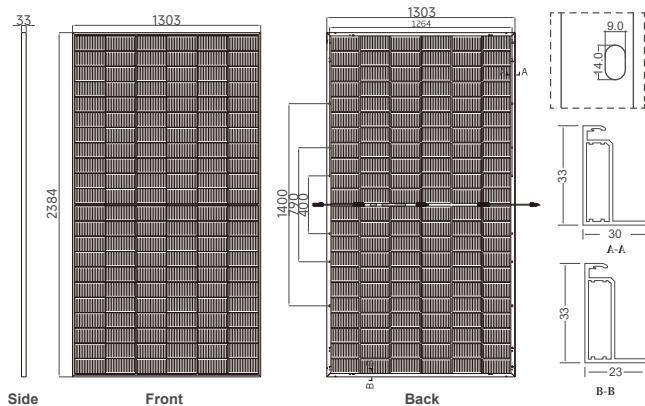
ISO14001:2015: Environmental management system

ISO45001:2018: Occupational health and safety management system



23.5%
MAXIMUM CONVERSION0~+5W
POWER TOLERANCE0.36%
0.36% PER YEAR OVER 2-30 YEARSHalf-Cut Module
LOWER TEMPERATURE COEFFICIENT

Mechanical Diagrams



Length: ±2mm Width: ±2mm Thickness: ±1mm Hole pitch: ±2mm

Packing Standard

Container capacity(40HQ)

Pallet size (mm) : 34pcs/pallet, 18pallets/ctns, 612pcs/ctn

Electrical Parameters At BNPI

Maximum Power (Pmax)	796	801	807	813	818
Open Circuit Voltage (Voc)	50.14	50.24	50.34	50.44	50.54
Short Circuit Current (Isc)	20.18	20.28	20.38	20.48	20.58
Maximum Power Voltage (Vmp)	42.11	42.20	42.29	42.38	42.47
Maximum Power Current (Imp)	18.91	19.00	19.10	19.19	19.28

Electrical Parameters

Module Type	QN-710HJT-01		QN-715HJT-01		QN-720HJT-01		QN-725HJT-01		QN-730HJT-01	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	710	542	715	545	720	549	725	553	730	557
Open Circuit Voltage (Voc)	49.97	47.69	50.07	47.79	50.17	47.88	50.27	47.98	50.37	48.08
Short Circuit Current (Isc)	17.99	14.38	18.08	14.45	18.17	14.52	18.26	14.59	18.35	14.67
Maximum Power Voltage (Vmp)	41.96	40.07	42.05	40.14	42.14	40.23	42.23	40.32	42.32	40.41
Maximum Power Current (Imp)	16.93	13.53	17.02	13.60	17.10	13.67	17.18	13.73	17.26	13.79
Module Efficiency -ηm (%)	22.9		23.0		23.2		23.3		23.5	

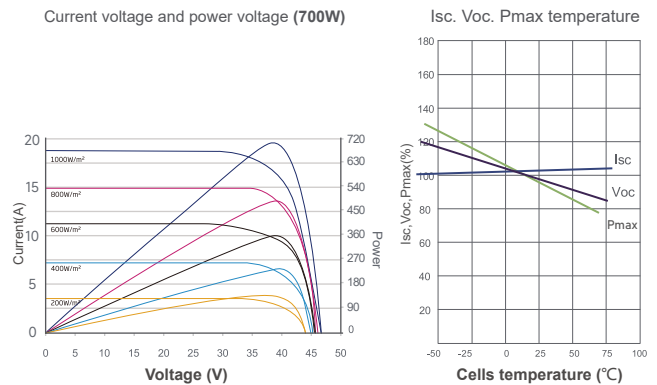
Load Capacity

Max Load Front	5400Pa
Max Load Back	2400Pa
Through Hail Testing	25mm Diameter, Impact Speed 23m/s

Temperature Coefficient (STC Test)

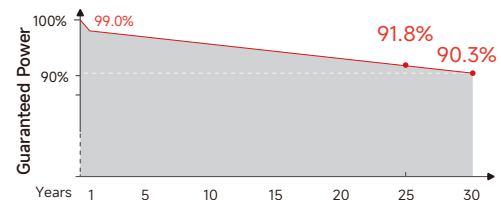
Temperature Coefficient of Isc	+0.04%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Pmax	-0.24%/°C

Curve Figure



Specification

Cell Type	Mono Crystalline
No. of Cells	132[2x(6x11)] pcs
Dimension	2384x1303x33mm
Weight	37.2kg
Front Glass	2.0mm
Back Glass	2.0mm
Junction Box	IP68
Cable Length	300mm,1200mm(can be customized)



Operation Parameters

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC (IEC)
Maximum Series Fuse Rating	35A
Power Tolerance	0~+5W
Nominal Operating Cell Temperature (NOCT)	42±2°C
Safety Class	class II
Refer.Bifacial Factor	80±10%

STC : Irradiance:1000W/m² | Battery temperature: 25°C | Atmospheric=1.5

NOCT: Irradiance:800W/m² | Ambien temperature: 20°C | Atmospheric=1.5 | Wind speed 1m/s

BNPI: Rear Irradiance 135W/m² | Bifaciality coefficient 80%±5%

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