Q-SUN solar

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

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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

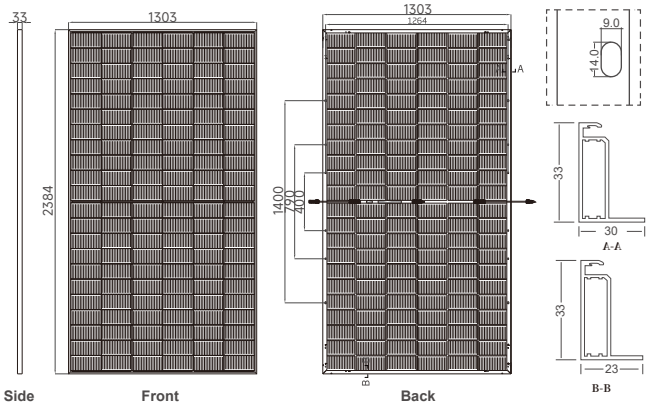
IEC 61215-1:2021、EN IEC 61215-1:2021/AC:2021
IEC 61215-1-1:2021、EN IEC 61215-1-1:2021
IEC 61215-2:2021、EN IEC 61215-2:2021、IEC 61730-1:2023、IEC 61730-2:2023
ISO9001:2015: Quality management system
ISO14001:2015: Environmental management system
ISO45001:2018: Occupational health and safety management system

N type

710-730W

23.5%	0~+5W	0.36%	Half-Cut Module
MAXIMUM CONVERSION	POWER TOLERANCE	0.36% PER YEAR OVER 2-30 YEARS	LOWER TEMPERATURE COEFFICIENT

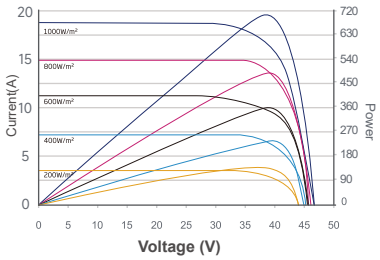
Mechanical Diagrams



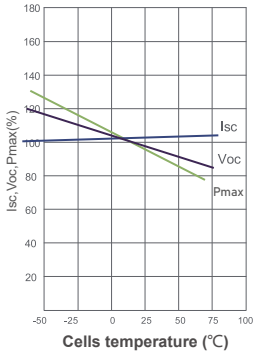
Length: ±2mm Width: ±2mm Thickness: ±1mm Hole pitch: ±2mm

Curve Figure

Current voltage and power voltage **(700W)**



Isc. Voc. Pmax temperature



Packing Standard

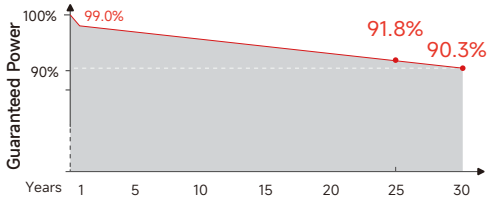
Container capacity(40HQ)
Pallet size (mm) ： 34pcs/pallet, 18pallets/ctns, 612pcs/ctn

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)

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

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%

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

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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