

# Qrystal **N8**

Mono-Crystalline  
**565~585W**

**0~+5W POWER TOLERANCE**

- High efficiency N - type Double glass module
- Stronger properties, PID resistance, reduced hot spot loss
- Higher module power, lower BOS costs
- Harsh environmental adaptation
- Bifacial module, more power generation

15 years material warranty **15**

30 years power linear warranty **30**

**144**

HALF-CUT  
CELLS

**182**  
x183.75  
mm

RECTANGULAR  
CELLS

**A sound quality management  
system and product certification**

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality management system

ISO14001:2015: Environmental management system

ISO45001:2018: Occupational health and safety management system



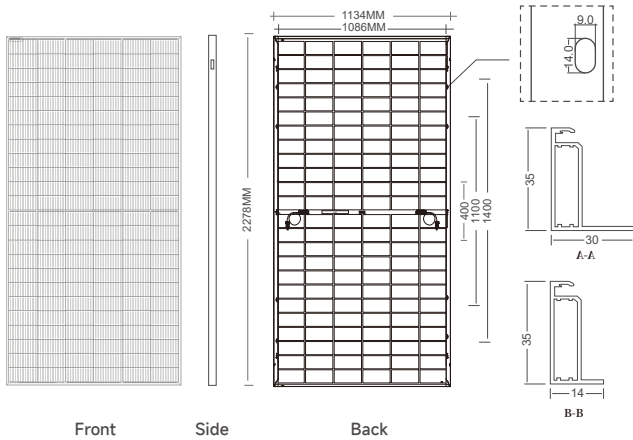
**22.6%**  
MAXIMUM CONVERSION

**0~+5W**  
POWER TOLERANCE

**0.4%**  
0.4% PER YEAR OVER 30 YEARS

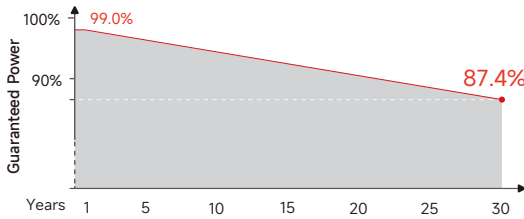
**Half-Cut Module**  
LOWER TEMPERATURE COEFFICIENT

## Mechanical Diagrams



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

## Performance Warranty



## Electrical Parameters

Module Type	QN-565HT-6		QN-570HT-6		QN-575HT-6		QN-580HT-6		QN-585HT-6	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	565	427	570	431	575	435	580	438	585	442
Open Circuit Voltage (Voc)	50.99	48.44	51.22	48.66	51.47	48.89	51.70	49.11	51.93	49.33
Short Circuit Current (Isc)	14.03	11.22	14.08	11.27	14.14	11.31	14.20	11.36	14.26	11.41
Maximum Power Voltage (Vmp)	43.00	40.64	43.21	40.83	43.43	41.04	43.64	41.24	43.85	41.44
Maximum Power Current (Imp)	13.14	10.51	13.19	10.55	13.24	10.59	13.29	10.63	13.34	10.67
Module Efficiency -ηm (%)	21.9		22.1		22.3		22.5		22.6	

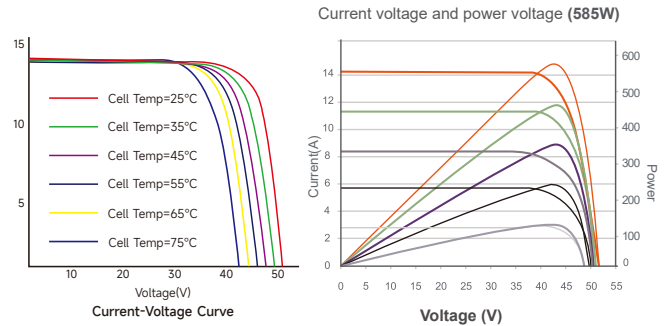
## Load Capacity

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	-0.29%/°C

## Curve Figure



## Specification

Cell Type	mono crystalline 16BB
No. of Cells	144 [2x(6x12)] pcs
Dimension	2278x1134x30mm
Weight	31.2kg
Front Glass	2.0 mm
Back Glass	2.0 mm
Junction Box	IP68
Cable Length	300mm,1200mm(can be customized)

## Packing Standard

Container capacity(40HQ)	
Pallet size (mm)	36pcs/pallet, 20pallets/ctns, 720pcs/ctn

**STC:** Irradiance:1000W/m<sup>2</sup> | Battery temperature: 25°C | Atmospheric=1.5

**NOCT:** Irradiance:800W/m<sup>2</sup> | Ambien temperature: 20°C | Atmospheric=1.5 | Wind speed 1m/s

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