

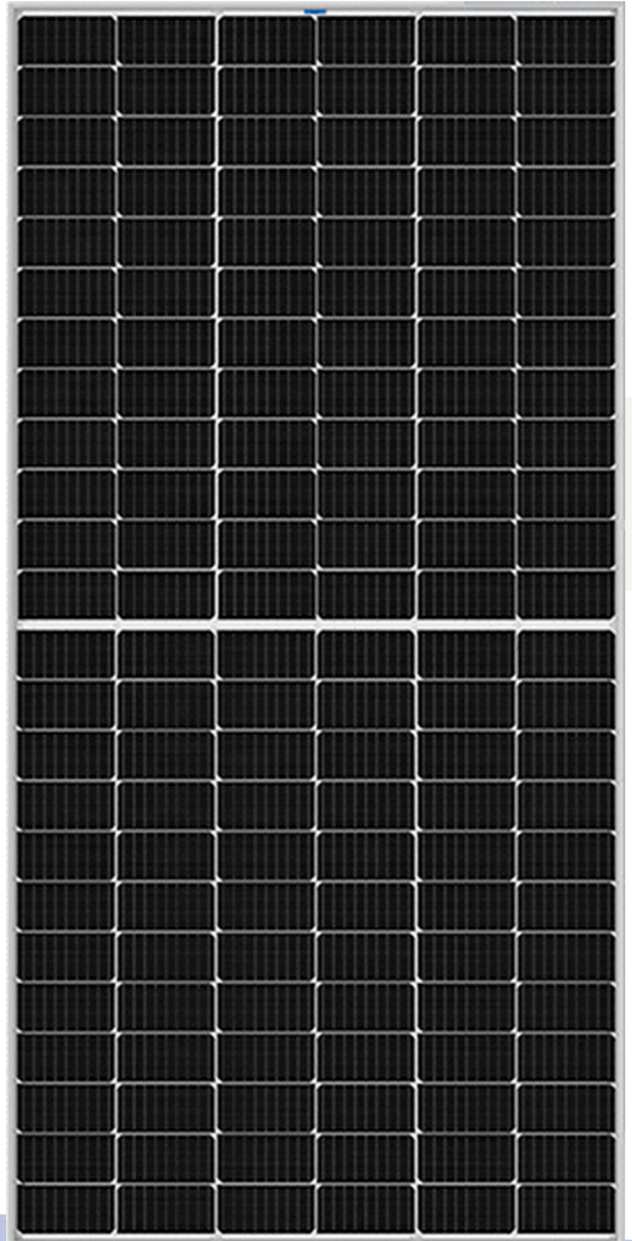


# QN 570-595W MONO-CRYSTALLINE 0-3W POWER TOLERANCE

## WARRANTY

12 - YEAR PRODUCT WARRANTY

25 - YEAR LINEAR POWER OUTPUT WARRANTY



Intertek

BELONGS TO NATURE



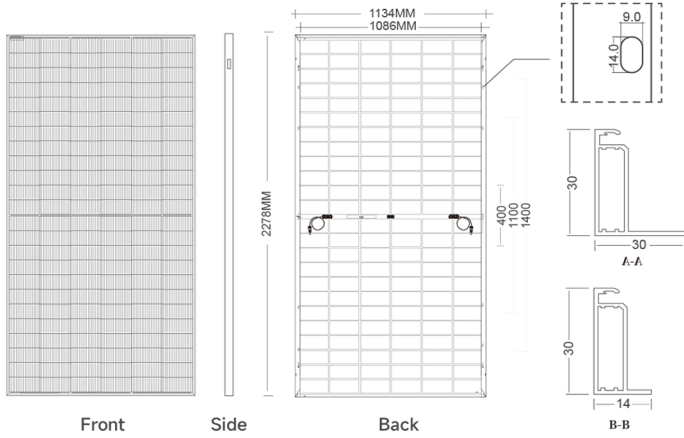
**23.0%**  
MAXIMUM CONVERSION

**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

### Packing Standard

Container capacity(40HQ)

Pallet size (mm) 36pcs/pallet, 20pallets/ctns, 720pcs/ctn

### Electrical Parameters At BNPI

Maximum Power (Pmax)	628	634	639	645	650	655
Open Circuit Voltage (Voc)	51.22	51.47	51.70	51.93	52.16	52.39
Short Circuit Current (Isc135)	15.53	15.59	15.66	15.72	15.78	15.84
Maximum Power Voltage (Vmp)	43.21	43.43	43.64	43.85	44.06	44.27
Maximum Power Current (Imp)	14.54	14.60	14.65	14.71	14.76	14.81
Short Circuit Current (Isc300)	17.30	17.37	17.44	17.51	17.58	17.65

### Electrical Parameters

Module Type	QN-570HT-06		QN-575HT-06		QN-580HT-06		QN-585HT-06		QN-590HT-06		QN-595HT-06	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	570	431	575	435	580	438	585	442	590	446	595	450
Open Circuit Voltage (Voc)	51.22	48.66	51.47	48.89	51.70	49.11	51.93	49.33	52.16	49.55	52.39	49.26
Short Circuit Current (Isc)	14.08	11.27	14.14	11.31	14.20	11.36	14.26	11.41	14.32	11.46	14.38	11.51
Maximum Power Voltage (Vmp)	43.21	40.83	43.43	41.04	43.64	41.24	43.85	41.44	44.06	41.64	44.27	41.84
Maximum Power Current (Imp)	13.19	10.55	13.24	10.59	13.29	10.63	13.34	10.67	13.39	10.71	13.44	10.75
Module Efficiency -ηm (%)	22.1		22.3		22.5		22.6		22.8		23.0	

### Load Capacity

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

### Temperature Coefficient (STC Test)

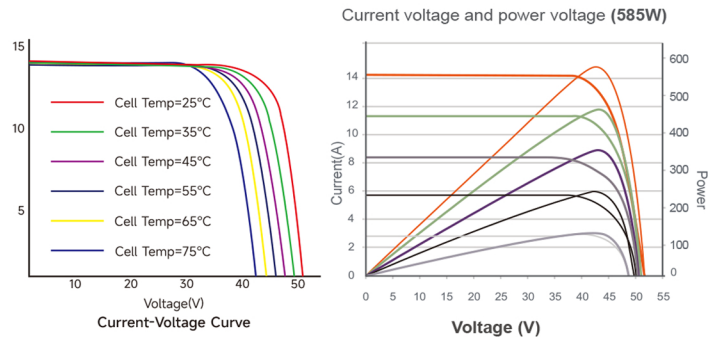
Temperature Coefficient of Isc	+0.04%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Pmax	-0.30%/°C

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

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

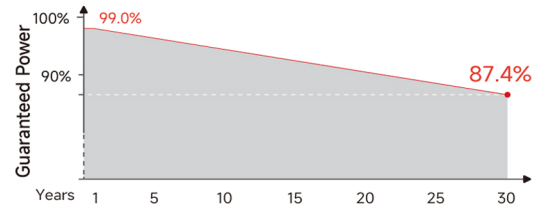
BNPI: Rear Irradiance 135W/m<sup>2</sup> | Bifaciality coefficient 80%±5%

### 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)



### Operation Parameters

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC (IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	0~+5W
Nominal Operating Cell Temperature (NOCT)	42±2°C
Safety Class	Class II
Refer.Bifacial Factor	75±10%