



QN610~630W MONO-CRYSTALLINE 0-3W POWER TOLERANCE

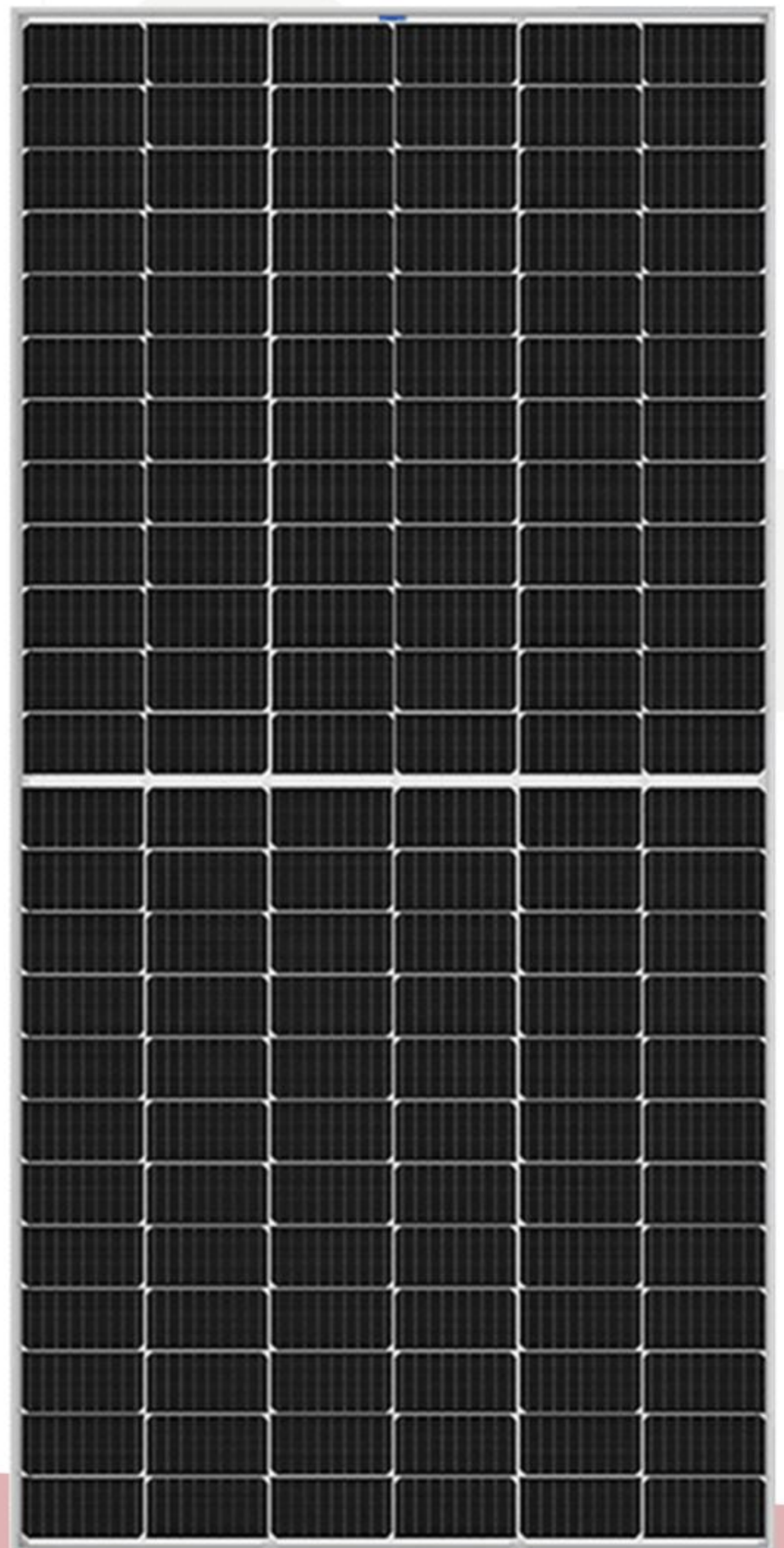
WARRANTY

12 - YEAR PRODUCT WARRANTY

25 - YEAR LINEAR POWER OUTPUT WARRANTY



Intertek



BELONGS TO NATURE



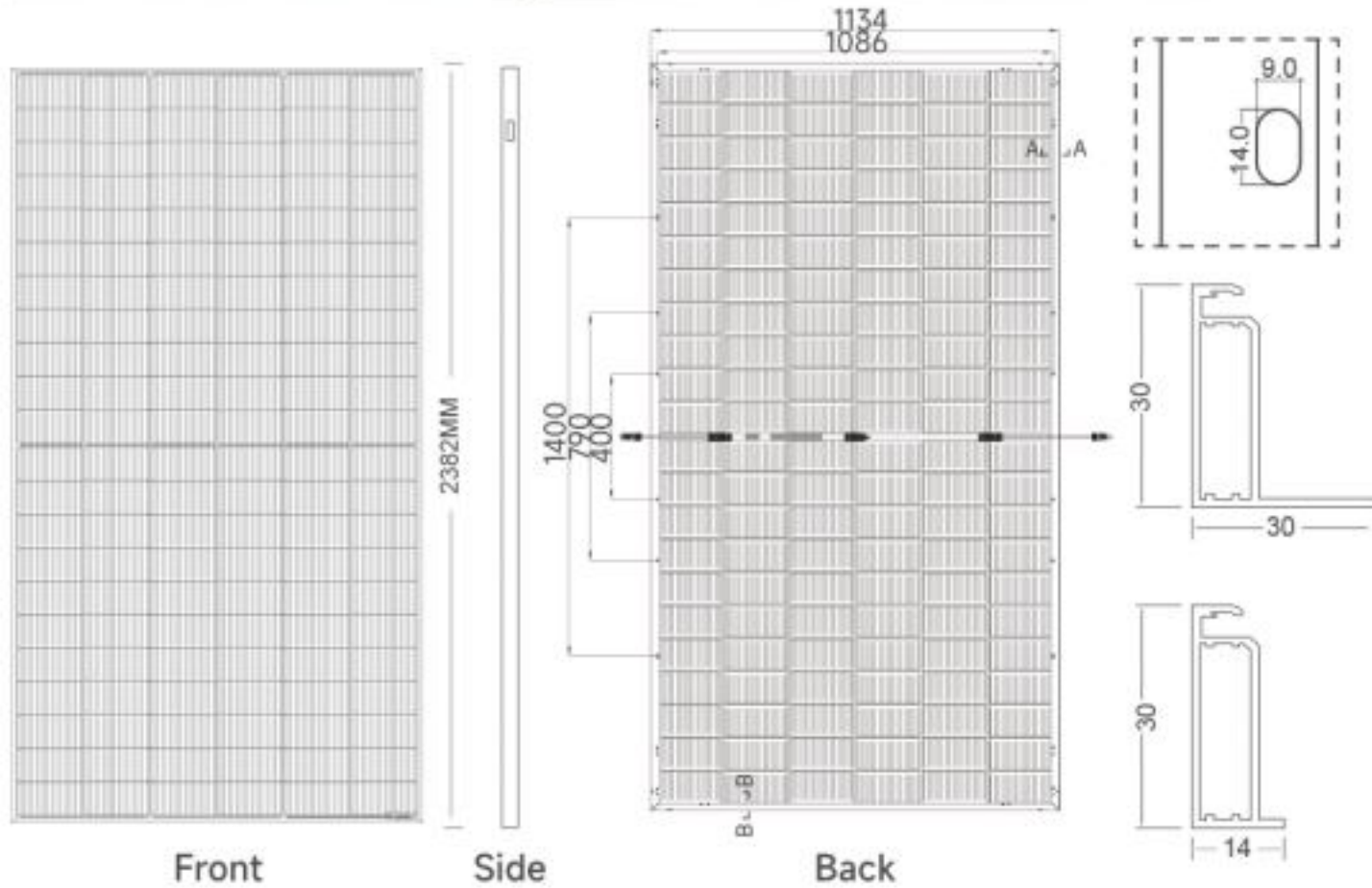
23.3%
MAXIMUM CONVERSION

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) : 37pcs/pallet,20pallets/ctns, 740pcs/ctn

Electrical Parameters At BNPI

Maximum Power (Pmax)	673	678	684	689	695
Open Circuit Voltage (Voc)	47.88	48.10	48.32	48.46	48.70
Short Circuit Current (Isc135)	17.78	17.85	17.91	17.77	17.83
Maximum Power Voltage (Vmp)	40.21	40.41	40.60	40.80	40.99
Maximum Power Current (Imp)	16.73	16.78	16.84	16.89	16.95
Short Circuit Current (Isc300)	19.80	19.88	19.95	19.80	19.86

Electrical Parameters

Module Type	QN-610HT-02		QN-615HT-02		QN-620HT-02		QN-625HT-02		QN-630HT-02	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	610	461	615	465	620	469	625	473	630	477
Open Circuit Voltage (Voc)	47.88	45.48	48.10	45.70	48.32	45.90	48.46	46.04	48.70	46.27
Short Circuit Current (Isc)	16.13	12.90	16.19	12.95	16.24	12.99	16.12	12.90	16.17	12.94
Maximum Power Voltage (Vmp)	40.21	38.00	40.41	38.19	40.60	38.37	40.80	38.55	40.99	38.73
Maximum Power Current (Imp)	15.17	12.14	15.22	12.18	15.27	12.22	15.32	12.26	15.37	12.30
Module Efficiency -ηm (%)	22.6		22.8		23.0		23.1		23.3	

Load Capacity

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

Temperature Coefficient (STC Test)

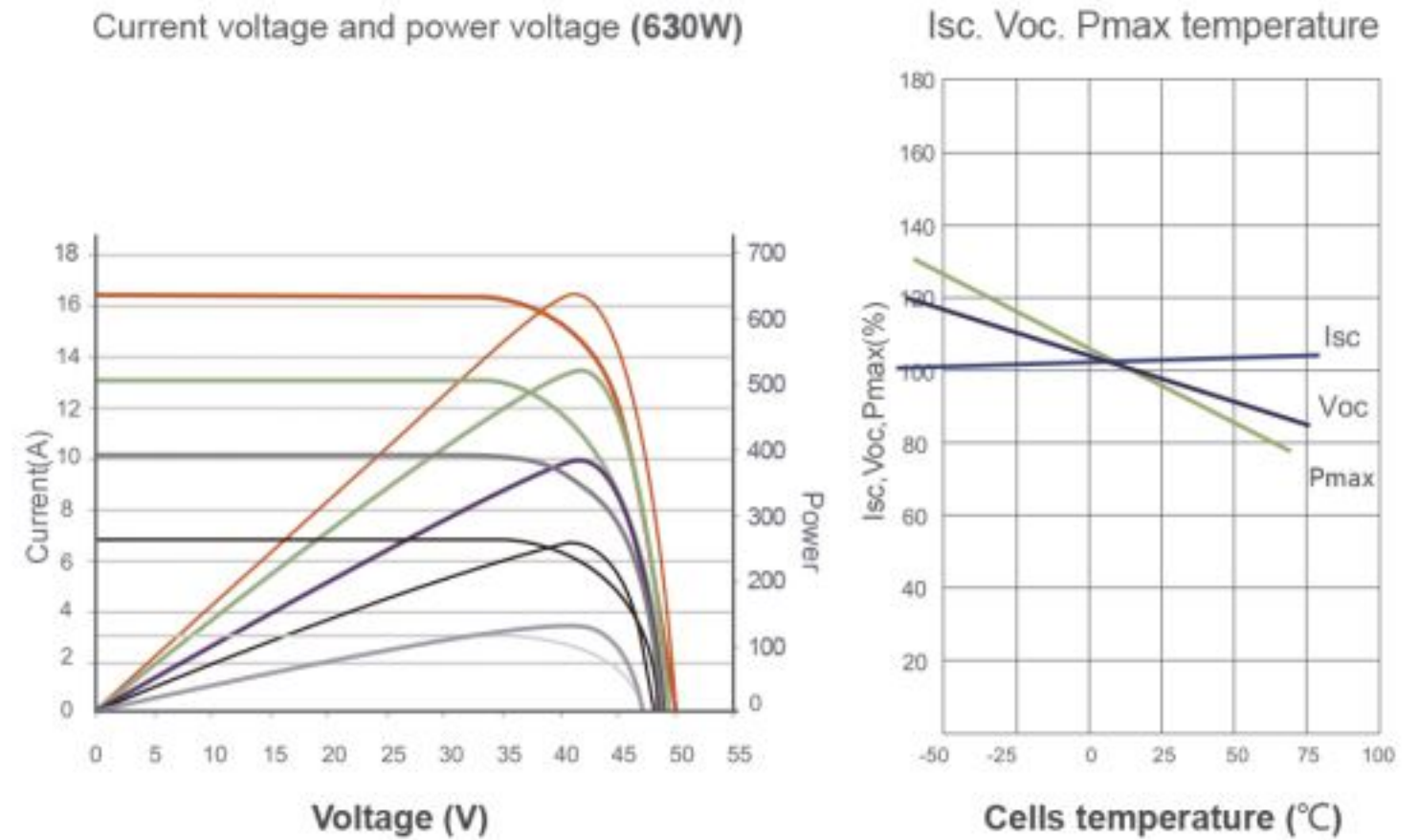
Temperature Coefficient of Isc	+0.04%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Pmax	-0.30%/°C

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

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

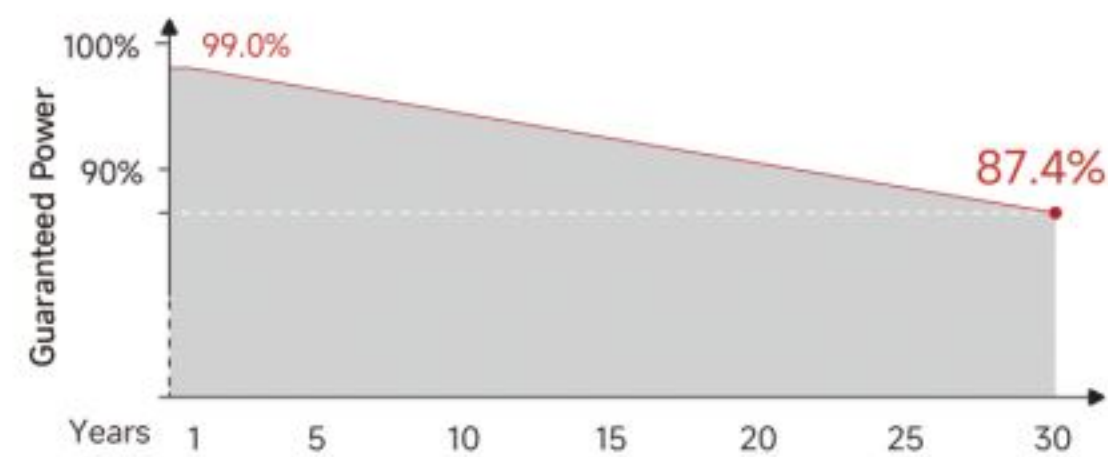
BNPI: Rear Irradiance 135W/m² | Bifaciality coefficient 80%±5%

Curve Figure



Specification

Cell Type	Mono Crystalline 20BB
No. of Cells	132 [2x(6x11)] pcs
Dimension	2382x1134x30mm
Weight	32.5kg
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	30A
Power Tolerance	0~+5W
Nominal Operating Cell Temperature (NOCT)	42±2°C
Safety Class	Class II
Refer.Bifacial Factor	80±10%

Olympisch stadion 24, 1076 DE, Amsterdam, Netherlands

purchase@quantumsolar.com.nl

www.quantumsolar.com.nl