Q-SUN solar

Qrystal P8

Mono-Crystalline

555~570W

0~+5W POWER TOLERANCE

- High efficiency PERC single glass solar module
- Stronger properties, PID resistance, reduced hot spot loss
- Better temperture coefficient
- Harsh environmental adaptation

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12 years material process warranty 12

25 years power linear warranty 25

A sound quality management system and product certification

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality management system

ISO14001:2015: Environmental management system

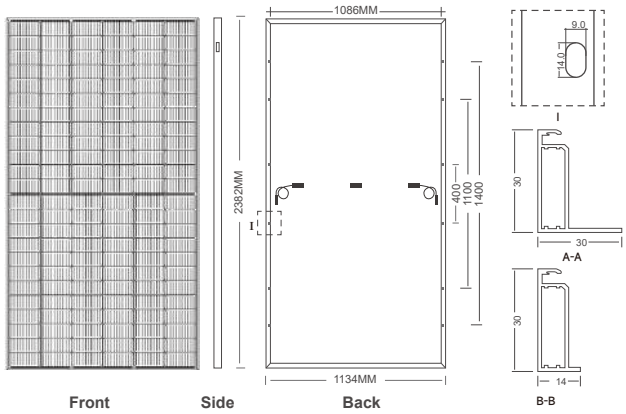
ISO45001:2018: Occupational health and safety management system

P type

555~570W

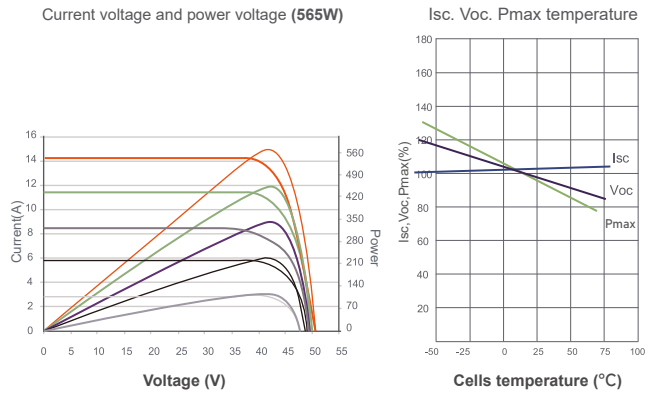
21.1%	0~+5W	0.55%	Half-Cut Module
MAXIMUM CONVERSION	POWER TOLERANCE	0.55% PER YEAR OVER 25 YEARS	LOWER TEMPERATURE COEFFICIENT

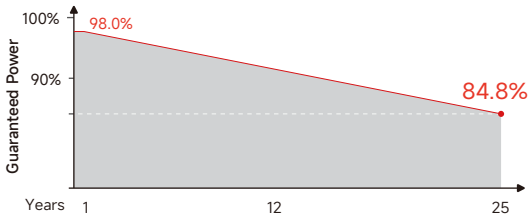
Mechanical Diagrams



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

Curve Figure





Specification

Cell Type	Mono Crystalline
No. of Cells	144 [2x(6x12)] pcs
Dimension	2382x1134x30mm
Weight	28.4kg±3%
Glass	3.2mm
Frame	Anodized Aluminum Alloy
Junction Box	IP68
Cable Length	300mm,1200mm (can be customized)

Packing Standard

Container Capacity(40HQ)

36pcs/pallet, 20pallets/ctns, 720pcs/ctn

Electrical Parameters

Module Type	**QN-555HT-1**		**QN-560HT-1**		**QN-565HT-1**		**QN-570HT-1**	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	555	419	560	423	565	427	570	433
Maximum Power Voltage (Vmp)	41.39	38.43	41.70	38.72	42.01	39.00	42.31	39.28
Maximum Power Current (Imp)	13.41	10.91	13.43	10.92	13.45	10.93	13.47	10.95
Open Circuit Voltage (Voc)	49.03	45.45	49.42	45.80	49.91	46.24	50.15	46.47
Short Circuit Current (Isc)	14.15	11.54	14.17	11.56	14.19	11.61	14.21	11.63
Module Efficiency -ηm (%)	20.53		20.72		20.9		21.1	

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	-0.34%/°C

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)	45±2°C
Safety Class	class II

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

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