

N type Mono-crystalline 560-580 Watt

High efficiency N - type double glass solar module

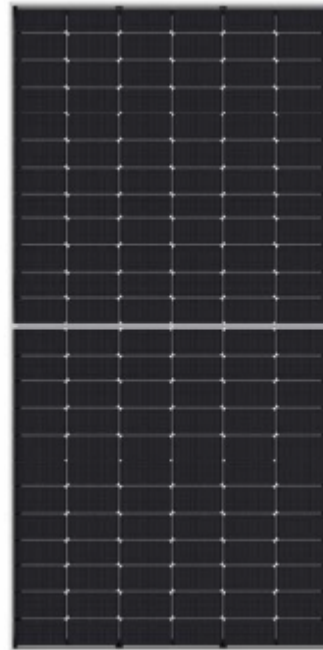
0~+3% POWER TOLERANCE

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality management system

ISO14001:2015: Environmental management system

ISO45001:2018: Occupational health and safety management system



Module characteristics



Multiple grid and Half cell technique

More light utilization and current collection capabilities, effectively improving product power output and reliability



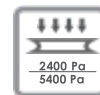
HoT 2.0 technique

N type module using HoT 2.0 technology have better reliability and lower LID/LETID decay



PID resistance

The attenuation probability of PID phenomenon is minimized through battery production technology optimization and material control



Load capacity

The whole assembly is certified for 2400Pa wind load and 5400Pa snow load.

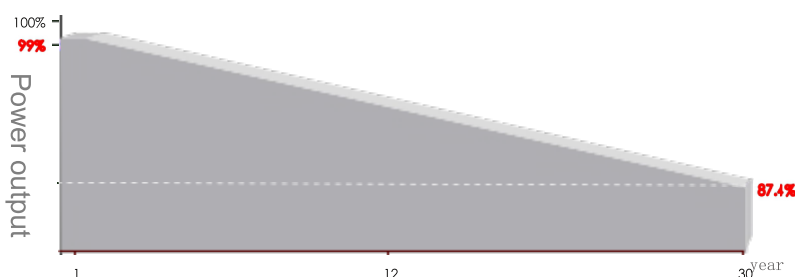


Harsh environmental adaptation

Third party certification passed high salt spray and high ammonia corrosion test



Leading linear warranty in the industry

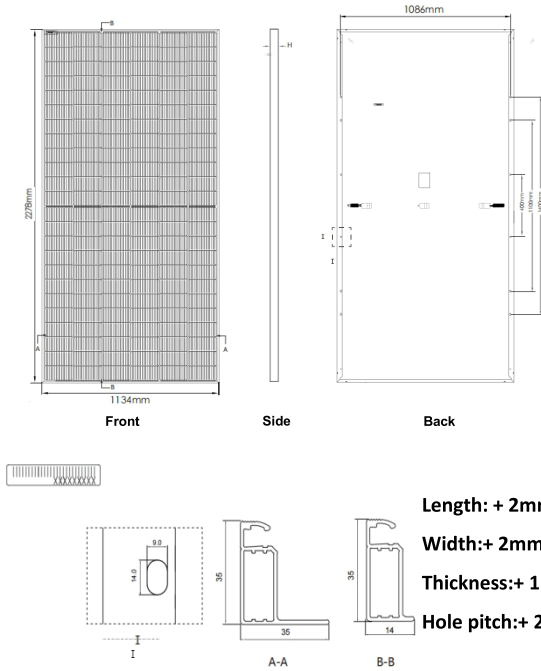


12 years material process warranty

30 years power linear warranty

Linear decay of **0.4%** per year over 30 years

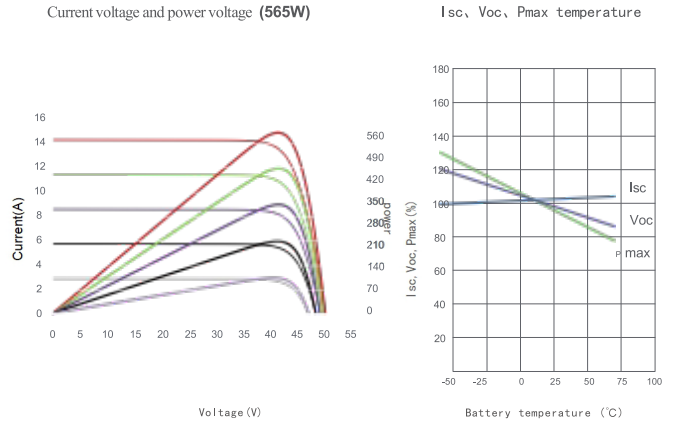
Mechanical Diagrams



Packing standard

Container capacity (40P)
 Pallet size (mm) 2308 x 1120 x 1249 31pcs/pallet , 20pallets / CTNS , 620PCS / CTN

Curve figure



Specification

Cell type	N type mono crystalline 16BB
Half-cell quantity	144 (2x72)
Dimension	2278x1134x35mm
Weight	32kg
Front Glass	2mm
Back Glass	2mm
Frame	Anodized Aluminum Alloy
Junction Box	IP68
Cable	TÜV 1x4.0mm ² (can be customized) Length (+): 280mm, (-): 280mm;

Electrical Parameters

Module type	QH-560HD		QH-565HD		QH-570HD		QH-575HD		QH-580HD	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	560	421	565	425	570	429	575	433	580	437
Maximum Power Voltage (Vmp)	43.28	39.25	43.58	39.38	43.87	39.51	44.17	39.78	44.47	40.05
Maximum Power Current (Imp)	12.94	10.73	12.97	10.79	12.99	10.85	13.02	10.88	13.04	10.89
Open Circuit Voltage (Voc)	51.42	47.94	51.63	48.06	51.91	48.20	52.18	48.45	52.82	49.04
Short Circuit Current (Isc)	13.57	11.42	13.58	11.49	13.59	11.55	13.61	11.57	13.62	11.58
Module Efficiency - ηm (%)	21.7		21.9		22.1		22.2		22.4	
Operational Temperature (°C)	-40°C~+85°C									
Maximum System Voltage	1500VDC (IEC)									
Maximum Series Fuse Rating	25A									
Power Tolerance	0~+3%									
Temperature Coefficient of Pmax	-0.30%/°C									
Temperature Coefficient of Voc	-0.25%/°C									
Temperature Coefficient of Isc	0.046%/°C									
Nominal Operating Cell Temperature (NOCT)	45±2°C									

STC: Irradiance 1000W/m² Battery temperature: 25°C Atmospheric=1.5 Wind speed 1m/S

NOCT: Irradiance 800W/m² Ambien temperature : 20°C Atmospheric=1.5