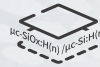


UNI H

UE600H-72HBD

N-type HJT Bifacial Dual Glass Solar Module



HJT 2.0 Technology

Combining gettering process and single-side $\mu\text{-Si}$ technology to ensure higher cell efficiency and higher module power.



-0.26%/°C Pmax temperature coefficient

More stable power generation performance and even better in hot climate.



SMBB design with Half-Cut Technology

Shorter current transmission distance, less resistive loss and higher cell efficiency.



Up to 90% Bifaciality

Natural symmetrical bifacial structure bringing more energy yield from the backside.



Sealing with PIB based sealant

Stronger water resistance, greater air impermeability to extend module lifespan.

580-600W



Quality Management System and Product Certification

IEC 61215, IEC 61730, UL 61730

ISO9001: 2015: ISO Quality Management System.

ISO14001: 2015: ISO Environmental Management System.

ISO45001: 2018: Occupation Health and Safety.

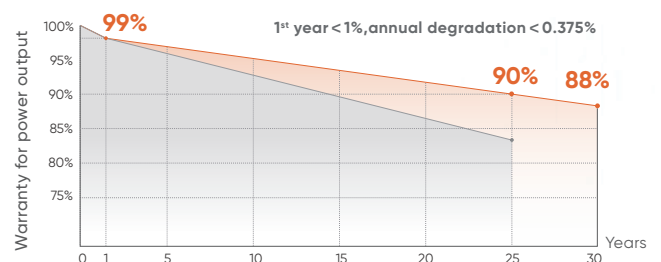
IEC62941: Guideline for module design qualification and type approval.



Quality Guarantee

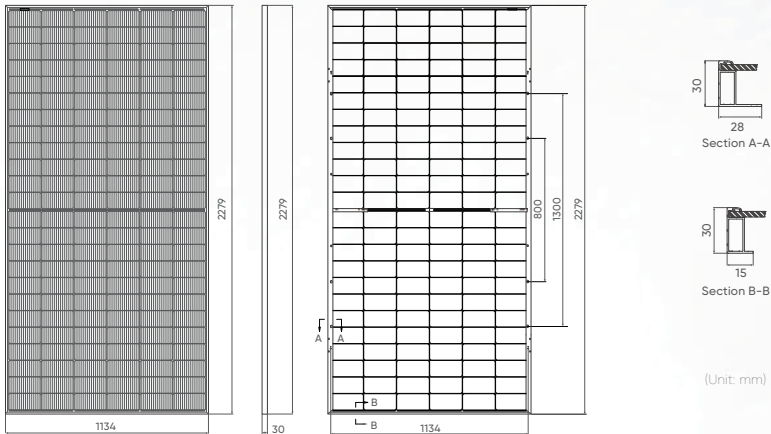
15 Year Materials Warranty

30 Year Power Warranty

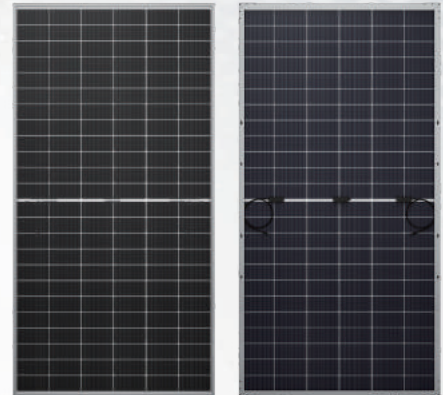


Less than 1% attenuation in the 1st year, the annual attenuation from the 2nd year is no more than 0.375%, and the power is no less than 88% until the 30th year.

Drawings



Product Image



Mechanical Characteristics

Solar Cells	N-type HJT
No. of Cells	144 (6×24)
Dimensions	2279 × 1134 × 30mm
Weight	31.5kg
Glass	Front: 2.0mm coated semi-tempered glass; Back: 2.0mm semi-tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4mm ² , 300mm (+) / 300mm (-), Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa
Packaging	36pcs/box, 720pcs/40'HQ

Operating Characteristics

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	DC1500V(IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	0/+5W

Temperature Characteristics

Nominal Operating Temperature (NMOT)	44±2°C
Temperature Coefficient of Pmax	-0.26%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.04%/°C

Electrical Parameters (STC*)

Module Type:	580	585	590	595	600
Maximum Power (Pmax/W)	580	585	590	595	600
Open Circuit Voltage (Voc/V)	53.92	54.12	54.31	54.50	54.70
Short Circuit Current (Isc/A)	13.35	13.40	13.45	13.50	13.55
Voltage at Maximum power (Vmp/V)	45.00	45.21	45.42	45.63	45.84
Current Maximum Power (Imp/A)	12.89	12.94	12.99	13.04	13.09
Module Efficiency (%)	22.44	22.64	22.83	23.02	23.22

Bifacial Output-Rearside Power Gain

		641	646	652	657	663
5%	Maximum Power (Pmax/W)	641	646	652	657	663
	Module Efficiency STC (%)	23.57	23.78	23.98	24.18	24.39
15%	Maximum Power (Pmax/W)	667	673	679	684	690
	Module Efficiency STC (%)	25.82	26.05	26.27	26.48	26.71
25%	Maximum Power (Pmax/W)	725	731	738	744	750
	Module Efficiency STC (%)	28.06	28.31	28.55	28.79	29.04

1. Standard Test Conditions [STC]: irradiance 1000W/m²; AM 1.5; ambient temperature 25°C according to EN 60904-3;

2. Tolerance of Pm: 0~+5W, Measuring uncertainty of power: ±3%. Performance deviation of Voc [V], Isc [A], Vm [V] and Im [A]: ±3%.