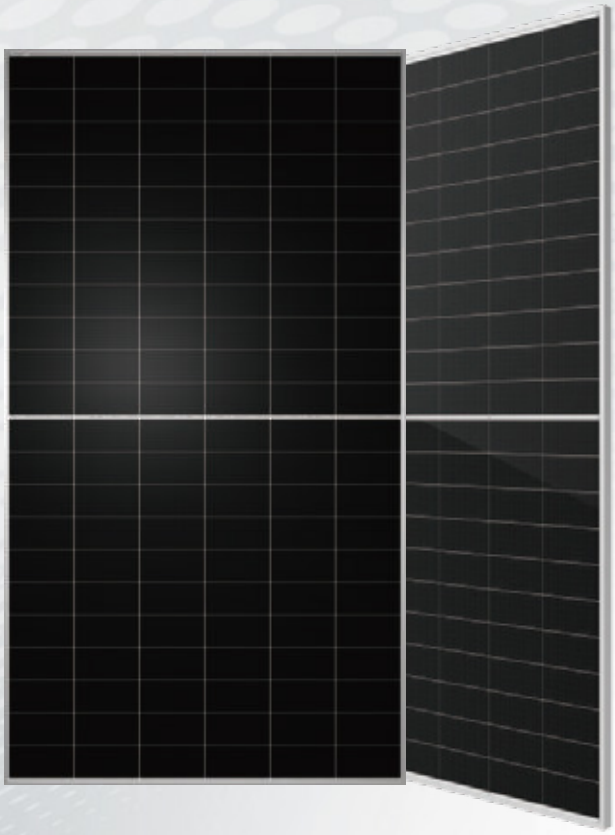
UNITED ENERGY | 安徽合纵

Delivering Easy and Secure Turnkey Energy Solutions

HETERO JUNCTION TECHNOLOGY



UNI H

UE740H-66HBD

N-type HJT Bifacial Dual Glass Solar Module

HJT 2.0 Technology

Combining gettering process and single-side μc-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

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

Sealing with PIB based sealant

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

715-740W

Max Efficiency 23.80%

Quality Management System and Product Certification

IEC 61215, IEC 61730, UL 61730

ISO9001: 2015: ISO Quality Management System.

ISO14001: 2015:ISO Environmental Management System.

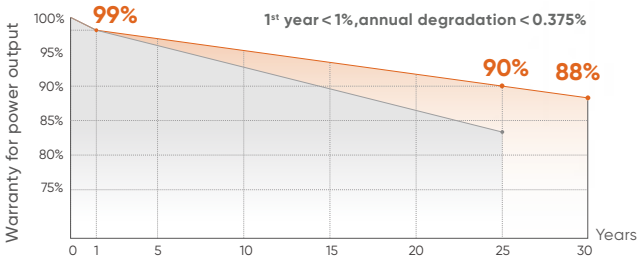
ISO45001: 2018: Occupation Health and Safety.

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.

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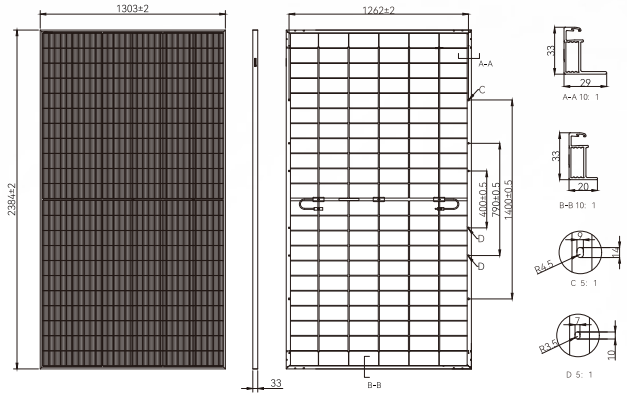
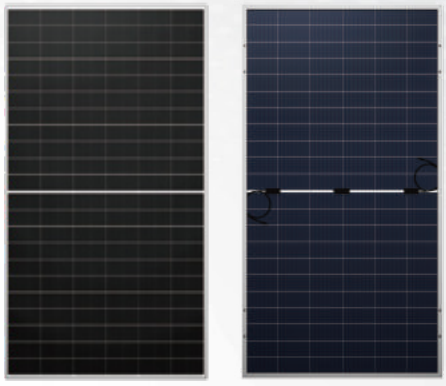
UNI H 715-740W

Drawings



Product Image



Mechanical Characteristics

Solar Cells	N-type HJT
No. of Cells	132 (6×22)
Dimensions	2384 × 1303 × 33mm
Weight	37.5kg
Glass	Front: 2.0mm AR coated heat strengthned glass; Back: 2.0mm heat strengthned glass
Frame	Anodized aluminium alloy frame
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4mm2, 400mm (+) / 200mm (-) or ±1400mm, Length can be customized
Connectors	Mc4 compatible
Mechanical load test	2400Pa/5400Pa
Packaging	33pcs/box, 594pcs/40'HQ

Operating Characteristics

Operating Module Temperature	-40°C to +85°C
Maximun System Voltage	DC1500V(IEC)
Maximun Series Fuse Rating	35A
Power Tolerance	0/+3W

Temperature Characteristics

Nominal Operating Temperature (NMOT)	44±2°C
Temperature Coefficient of Pmax	-0.24%°C
Temperature Coefficient of Voc	-0.22%°C
Temperature Coefficient of Isc	+0.04%°C

Electrical Characteristics (STC*/NMOT*)

Front Side	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	715	545	720	548	725	552	730	556	735	560	740	564
Open Circuit Voltage (Voc/V)	50.22	48.01	50.30	48.09	50.38	48.16	50.46	48.24	50.54	48.32	50.62	48.39
Short Circuit Current (Isc/A)	17.98	14.50	18.08	14.58	18.18	14.66	18.28	14.74	18.37	14.81	18.47	14.89
Voltage at Maximum power (Vmp/V)	41.84	39.56	41.94	39.57	42.03	39.69	42.13	39.80	42.22	39.89	42.32	40.00
Current Maximum Power (Imp/A)	17.09	13.78	17.17	13.85	17.25	13.91	17.33	13.97	17.41	14.04	17.49	14.10
Module Efficiency (%)	23.00		23.20		23.30		23.50		23.70		23.80	

Bifacial Output-Rearside Power Gain

5%	Maximum Power (Pmax/W)	751	756	761	767	772	777
	Module Efficiency STC (%)	24.20	24.30	24.50	24.70	24.80	25.00
15%	Maximum Power (Pmax/W)	822	828	834	840	845	851
	Module Efficiency STC (%)	26.50	26.70	26.80	27.00	27.20	27.40
25%	Maximum Power (Pmax/W)	894	900	906	913	919	925
	Module Efficiency STC (%)	28.80	29.00	29.20	29.40	29.60	29.80

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%.

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