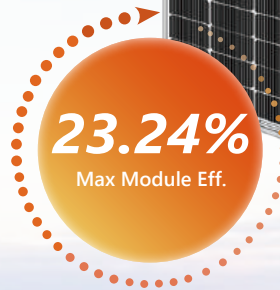


UNI T

UE600T-72HBD

580~600W

N-type TOPCon Bifacial Dual Glass Solar Module



**N-Type MBB Cell**

New circuit design N-type cells, can increase the output power of 10~20W.



**Low Light Features**

Higher performance under low light environment.



**Bifacial with dual glass**

Module adopts 182\*182mm half cells, bifacial module provide an additional 5%-25% output.



**PID Protection**

Ensure the attenuation probability caused by PID phenomenon is minimized.



**Harsh Environmental Adaptability**

Strict salt spray and ammonia corrosion test by TUV Nord.



**Load Capacity**

Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done by TUV Nord.



**Quality Management System and Product Certification**

IEC 61215, IEC 61730, UL 61730

ISO9001: 2015: ISO Quality Management System.

ISO14001: 2015:ISO Environmental Management System.

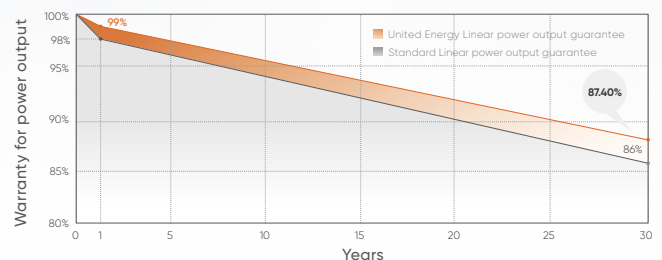
ISO45001: 2018: Occupation Health and Safety.

IEC62941:Guideline for module design qualification and type approval.

**Quality Guarantee**

15 year Materials Warranty

30 year Power Warranty



## Electrical Parameters(STC\*)

Module Type	580	585	590	595	600
Maximum power (Pmax/W)	580	585	590	595	600
Open Circuit Voltage (Voc/V)	51.57	51.72	51.87	52.02	52.17
Short Circuit Current (Isc/A)	14.18	14.24	14.30	14.36	14.42
Voltage at Maximum power (Vmp/V)	42.49	42.64	42.79	42.94	43.09
Current at Maximum Power (Imp/A)	13.65	13.72	13.79	13.86	13.93
Module Efficiency(%)	22.44	22.64	22.84	23.04	23.24

1. Under Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.

## Electrical Parameters(NMOT\*)

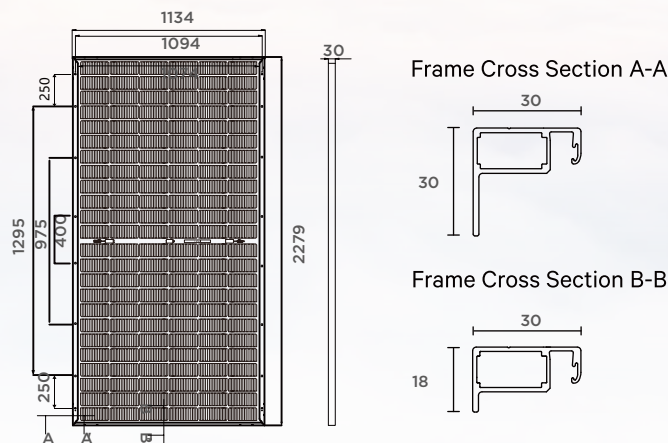
Power (Pmax/W)	437	440	443	446	449
Open Circuit Voltage (Voc/V)	48.99	49.14	49.33	49.52	49.71
Short Circuit Current (Isc/A)	11.40	11.42	11.44	11.46	11.48
Maximum power Voltage (Vmp/V)	39.66	39.82	39.98	40.14	40.30
Maximum power Current (Imp/A)	11.02	11.05	11.08	11.11	11.14

1. Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

## Electrical Parameters(At 10% Bifacial Power Output)

Output Power (Pmax/W)	638	644	650	656	662
Open Circuit Voltage (Voc/V)	51.57	51.72	51.97	52.22	52.47
Short Circuit Current (Isc/A)	15.69	15.77	15.85	15.93	16.01
Maximum power Voltage (Vmp/V)	42.48	42.62	42.76	42.90	43.04
Maximum power Current (Imp/A)	15.02	15.11	15.20	15.29	15.38

## Design(mm)



## Design(mm)

Solar Cells	N-type Mono
No. of Cells	72*2 pcs
Dimensions	2279*1134*30mm
Weight	32kg
Glass	Double glass, 2.0mm/1.6mm
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 Bypass Diodes)
Output Cables	4mm <sup>2</sup> , 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	1500V DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W

## Temperature Characteristics

Nominal Operating Temperature (NMOT)	45±2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C