UNITED ENERGY | 安徽合纵

Delivering Easy and Secure Turnkey Energy Solutions

Back Contact Technology

UE795B-78HBD

Topcon BC Technology Solar Module with Bifacial Double Glass

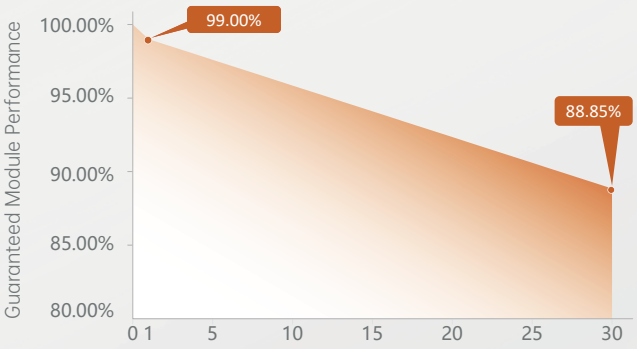
775-795 W | Maximum Efficiency | 24.8 %

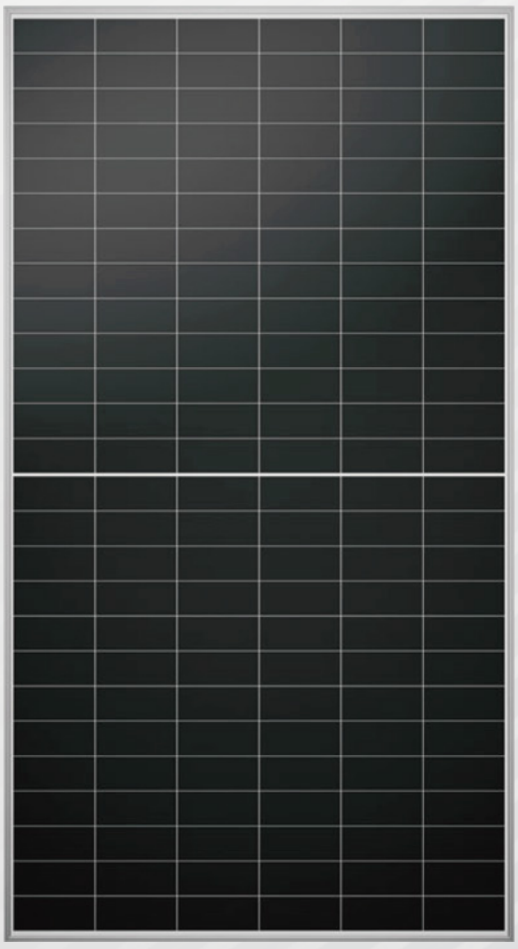
- Partial Shading Optimisation
- Better Temperature Coefficient
- Higher Power
- More Aesthetic Values
- Micro-crack Resistance
- Lower BOS

Quality Guarantee

15 year Materials Warranty

30 year Power Warranty





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.

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United Energy Co., LTD

UE795B-78HBD | 775~795W

795W Maximum Power | **24.6%** Maximum Efficiency | **0~+3%** Power Tolerance

Electrical Parameters(STC*)

Maximum power (Pmax/W)	775	780	785	790	795
Open Circuit Voltage (Voc/V)	58.82	58.92	59.02	59.12	59.22
Short Circuit Current (Isc/A)	16.71	16.78	16.85	16.92	16.99
Voltage at Maximum power (Vmp/V)	48.87	48.97	49.07	49.17	49.27
Current at Maximum Power (Imp/A)	15.86	15.93	16.00	16.07	16.14
Module Efficiency(%)	24.10	24.30	24.40	24.60	24.80

*STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5, Power measurement tolerance ±3%

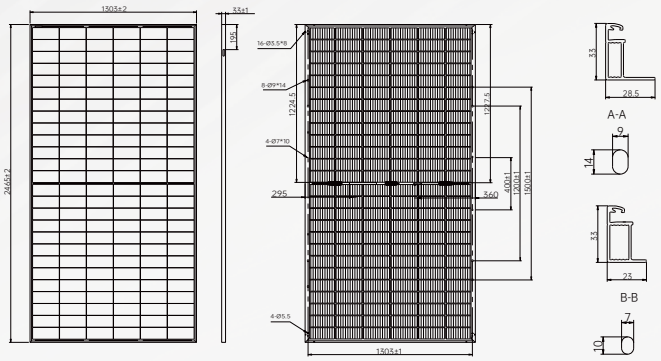
* BNPI: Front irradiance 1000W/m², rear irradiance 135W/m², ambient temperature 25°C, AM1.5, power measurement tolerance ±3%.

Electrical Parameters(NOCT*)

Maximum power (Pmax/W)	588	592	595	599	603
Open Circuit Voltage (Voc/V)	55.77	55.87	55.96	56.05	56.15
Short Circuit Current (Isc/A)	13.46	13.53	13.59	13.66	13.72
Voltage at Maximum power (Vmp/V)	46.46	46.55	46.65	46.74	46.84
Current at Maximum Power (Imp/A)	12.65	12.71	12.76	12.82	12.87

*The additional gain from the rear versus the power from the front depends on parameters such as installation (structure, height, tilt, etc.) and ground albedo.

Engineering Drawings



Tolerance

L: ±2mm
W: ±2mm
Unit: mm

Mechanical Parameters

Cell size	210 * 210
No. of cells	156 (6×26)
Front Glass	2.0mm high-transparency semi-tempered glass
Back Glass	2.0mm semi-tempered glass
Frame	Anodized aluminum alloy
Weight	39.8kg ±3%
Dimension	2465×1303×33mm
Junction box/diode	Protection rating IP68/3
Cable	4mm², (+)300mm, (-)200mm, or Customized Length
Maximum static load	Front 5400Pa / Back 2400Pa*
Safety protection level	Class II
IEC component fire rating	Class C
Packaging	33 pcs per pallet, 594PCS/40HQ

Operating Characteristics

Operating Module Temperature	-40°C to +70°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	30A
Double-sided Ratio	75±5%

Temperature Characteristics

Nominal Operating Temperature (NMOT)	42±2°C
Temperature Coefficient of Pmax	-0.26%/°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	+0.05%/°C

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