



未来光能  
FUTURE ENERGY

# FUTURE210 Series

## 132 Half-piece Bifacial Dual Glass HJT Module

# 710~730W



### SMBB Technology

Stronger current collection ability



### Up to 90% Bifaciality

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



### Better temperature coefficient

-0.24%/°C, More stable power generation



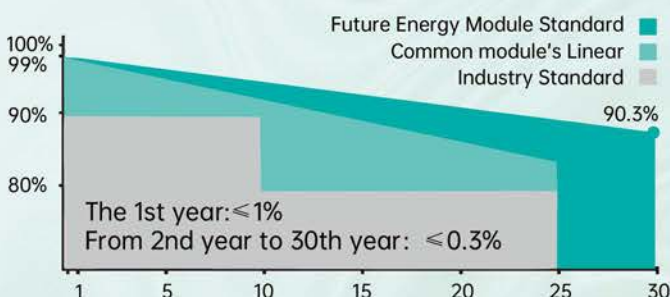
### High Reliability

Excellent anti-LID & anti-PID performance, Sealing with PIB based sealant, Stronger water resistance, greater air impermeability to extend module lifespan.



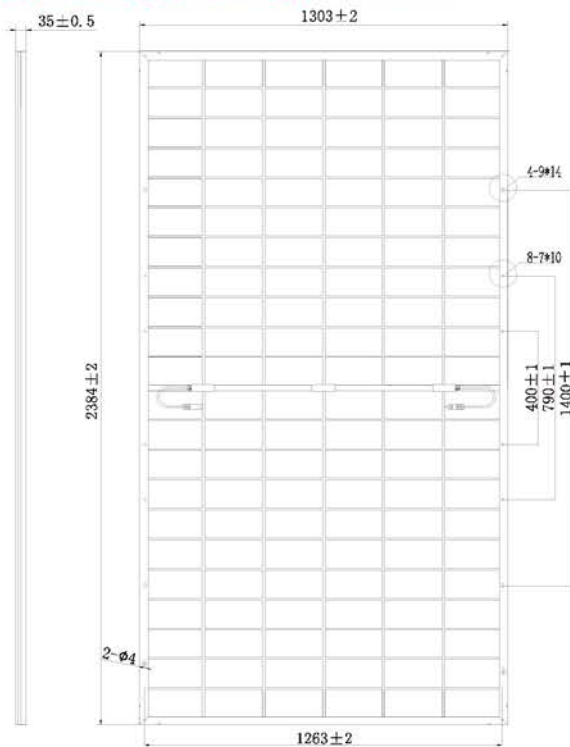
### Suitable for Utility Solar projects

Lower BOS cost, lower LCOE



15<sup>y</sup> Product Warranty

30<sup>y</sup> Linear Power Warranty

**Engineering Drawings** Unit: mm

**ELECTRICAL DATA (STC\*)**

Rated Power in Watts-Pmax(Wp)	710	715	720	725	730
Maximum Power Voltage-Vmpp(V)	42.40	42.55	42.69	42.84	42.98
Maximum Power Current-Impp(A)	16.74	16.80	16.86	16.92	16.98
Open Circuit Voltage-Voc(V)	50.43	50.58	50.73	50.87	51.02
Short Circuit Current-Isc(A)	17.56	17.62	17.68	17.74	17.80
Module Efficiency (%)	22.86	23.02	23.18	23.34	23.50

\*STC: Irradiance 1000 W/m<sup>2</sup>, cell temperature 25°C, AM=1.5. Tolerance of Pmax is within +/- 3%.

**Electrical characteristics with 10% rear side power gain**

Total Equivalent power -Pmax(Wp)	781	787	792	798	803
Maximum Power Voltage-Vmpp(V)	42.40	42.55	42.69	42.84	42.98
Maximum Power Current-Impp(A)	18.41	18.48	18.55	18.61	18.68
Open Circuit Voltage-Voc(V)	50.43	50.58	50.73	50.87	51.02
Short Circuit Current-Isc(A)	19.32	19.38	19.45	19.51	19.58

**Mechanical Characteristics**

Solar cells	n-type HJT
Cell configuration	132cells (6×22)
Module dimensions	2384×1303×35mm
Weight	38.7kg
Superstrate	2.0mm,High Transmission,AR Coated Heat Strengthened Glass
Substrate	2.0mm,Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
J-Box	IP68
Cables	4.0mm <sup>2</sup> ,300mm, or customized length
Connector	MC4-EVO 2A
Packing Configuration	
31PCS per pallet , 558PCS per 40ft(HQ)	

**Application Environment&Temperature Characteristics**

Operating Module Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse	35A
Power Tolerance	0~+5W
Bifaciality	85%±5%
Safety Class	Class II
Nominal Operating Cell Temp.(NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.24%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	0.04%/°C

