



未来光能
FUTURE ENERGY

FUTURE210R Series

108 Half-piece Bifacial Dual Glass HJT Module

505~525W



OBB Technology

Less light obstruction and 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



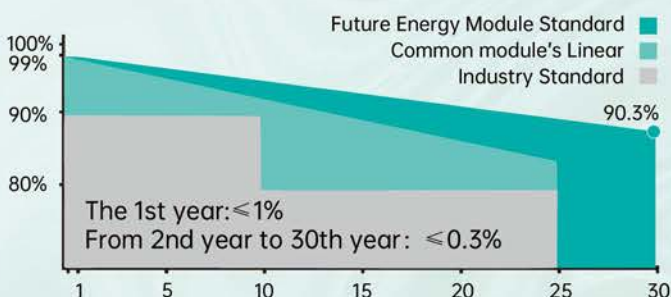
High Reliability

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



Ideal choice for solar rooftop system

Suitable for various rooftop projects.

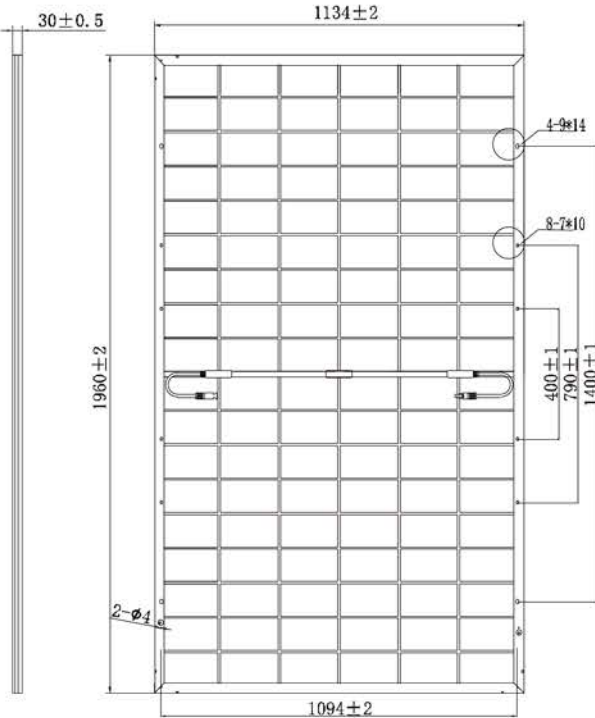


15^y Product Warranty

30^y Linear Power Warranty



Engineering Drawings Unit: mm



ELECTRICAL DATA (STC*)

Rated Power in Watts-Pmax(Wp)	505	510	515	520	525
Maximum Power Voltage-Vmpp(V)	34.40	34.63	34.76	34.88	35.01
Maximum Power Current-Imp(A)	14.64	14.73	14.82	14.91	15.00
Open Circuit Voltage-Voc(V)	41.84	41.98	42.14	42.17	42.31
Short Circuit Current-Isc(A)	15.46	15.51	15.56	16.01	16.06
Module Efficiency (%)	22.72	22.95	23.17	23.40	23.62

*STC: Irradiance 1000 W/m², 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)	556	561	567	572	578
Maximum Power Voltage-Vmpp(V)	34.49	34.63	34.76	34.88	35.01
Maximum Power Current-Imp(A)	16.10	16.20	16.30	16.40	16.50
Open Circuit Voltage-Voc(V)	41.84	41.98	42.14	42.17	42.31
Short Circuit Current-Isc(A)	17.01	17.06	17.12	17.61	17.67

Mechanical Characteristics

Solar cells	n-type HJT
Cell configuration	108cells (6×18)
Module dimensions	1960×1134×30mm
Weight	27.6kg
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 ² ,300mm, or customized length
Connector	MC4-EVO 2A
Packing Configuration	36PCS per pallet , 792PCS per 40ft(HQ)

Application Environment&Temperature Characteristics

Operating Module Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse	30A
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

与光同行 未来已来
WALKING WITH LIGHT THE FUTURE HAS ARRIVED



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