

FUTURE210RSeries

108 Half-piece Bifacial Dual Glass HJT Module (Black)

500~520W



OBB Technology

Less light obstruction and stronger current collection ability



Up to 90% Bifaciality

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



Better temperature coefficient

-0.24%/°C, More stable power generation



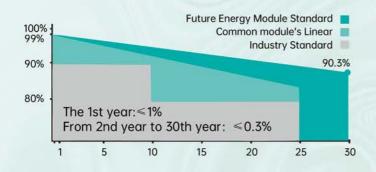
High Reliability

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



Ideal choice for solar rooftop system

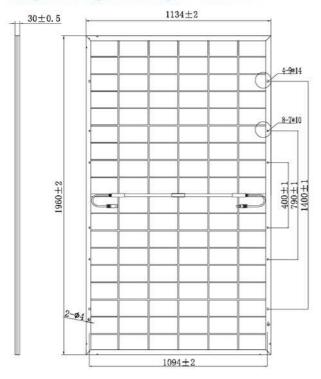
Suitable for various rooftop projects.



- Product Warranty
- Linear Power Warranty



Engineering Drawings Unit: mm



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	4.0mm²,300mm, or customized length	
Connector	MC4-EVO 2A	
Packing Configurati	on	
36PCS per pallet , 7	92PCS per 40ft(HQ)	

ELECTRICAL DATA (STC*)

Rated Power in Watts-Pmax(Wp)	500	505	510	515	520
Maximum Power Voltage-Vmpp(V)	34.36	34.49	34.62	34.75	34.88
Maximum Power Current-Impp(A)	14.55	14.64	14.73	14.82	14.91
Open Circuit Voltage-Voc(V)	42.68	41.84	41.98	42.14	42.17
Short Circuit Current-Isc(A)	15.39	15.46	15.51	15.56	16.01
Module Efficiency (%)	22.50	22.72	22.95	23.17	23.40

*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)	550	556	561	567	572
Maximum Power Voltage-Vmpp(V)	34.36	34.49	34.62	34.75	34.88
Maximum Power Current-Impp(A)	16.01	16.10	16.20	16.30	16.40
Open Circuit Voltage-Voc(V)	41.68	41.84	41.98	42.14	42.17
Short Circuit Current-Isc(A)	16.93	17.01	17.06	17.12	17.61

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			





\$ 400-829-7666

FUTURE ENERGY Co., Ltd. North Bund Raffles Plaza, No. 1089, Dongdaming Road, Hongkou District, Shanghai