

FUTURE210RSeries
132 Half-piece Bifacial Dual
Glass HJT Module

620~640W



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



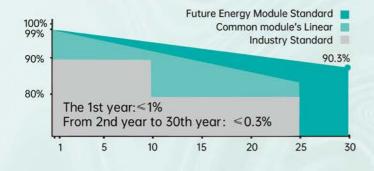
High Reliability

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



Suitable for Utility Solar projects

Lower BOS cost, lower LCOE

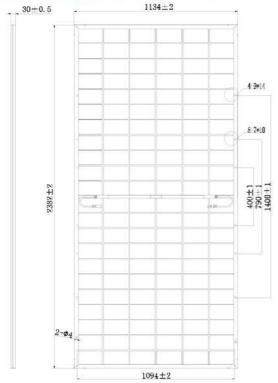








Engineering Drawings Unit: mm



Mechanical Characteristics

Solar cells	n-type HJT	
Cell configuration	132cells (6×22)	
Module dimensions	2382×1134×30mm	
Weight	33.6kg	
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	20PCS per 40ft(HQ)	

ELECTRICAL DATA (STC*)

Rated Power in Watts-Pmax(Wp)	620	625	630	635	640
Maximum Power Voltage-Vmpp(V)	42.30	42.46	42.62	42.77	42.93
Maximum Power Current-Impp(A)	14.66	14.72	14.79	14.85	14.91
Open Circuit Voltage-Voc(V)	50.98	51.16	51.35	51.53	51.71
Short Circuit Current-Isc(A)	15.42	15.47	15.52	15.57	15.62
Module Efficiency (%)	22.95	23.14	23.32	23.51	23.69

*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)	682	688	693	699	704
Maximum Power Voltage-Vmpp(V)	42.30	42.46	42.62	42.77	42.93
Maximum Power Current-Impp(A)	16.13	16.19	16.27	16.34	16.40
Open Circuit Voltage-Voc(V)	50.98	51.16	51.35	51.53	51.71
Short Circuit Current-Isc(A)	16.96	17.02	17.07	17.13	17.18

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			





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