



FUTURE210 Series

Silicon Based HJT Solar Cells

24.9%~26.5%



High Efficiency
Average Efficiency > 25%



High Bi-facial Rate
Bi-facial Rate Above 95%



Better Temperature Coefficient
-0.24%/°C, More Stable Power Output



High Reliability
No Pid, No Lid

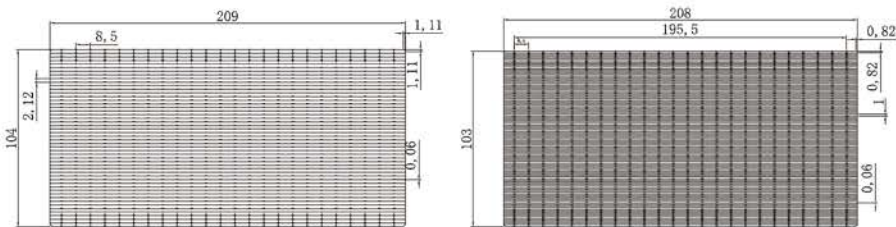


High Power Generation
Power Generation Raise Over 10%

Heterojunction cells combine the advantages of silicon and thin film technology, using N-type silicon wafers and low-temperature processes throughout the process. The process steps are Less, with high efficiency, high stability, no LID, no PID, and low temperature coefficient. Adopting a new coating process, there is no color difference on the front and back, and the appearance is more beautiful. The Bi-facial power generation performance is excellent, with Bi-facial rate of over 95%. Low temperature coefficient ensures that the PV panels can maintain high power output even in high-temperature environments.

Mechanical parameters

Product Name Style	Single crystal heterojunction solar cell
Specifications	OBB, 210*105±0.25mm
Average thickness of silicon wafer	100-120um
Front of cell(-)	No Busbar, blue transparent conductive Oxides (TCO)
Back of cell(+)	No Busbar, blue transparent conductive Oxides (TCO)

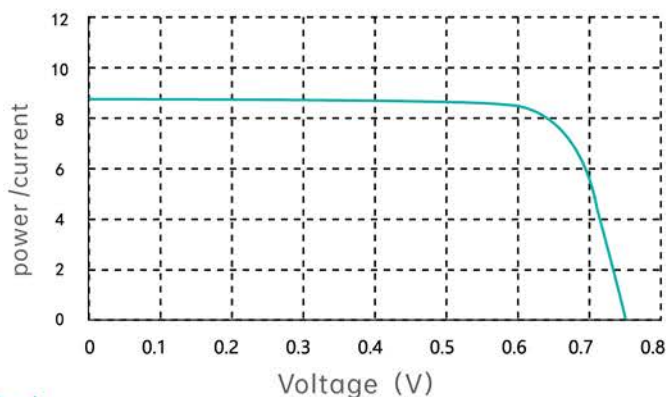


Electrical performance parameters

Battery cell model		WLZ-G12-255	WLZ-G12-254	WLZ-G12-253	WLZ-G12-252	WLZ-G12-251	WLZ-G12-250	WLZ-G12-249
Cell efficiency	η [%]	25.5	25.4	25.3	25.2	25.1	25	24.9
Maximum power	Pmpp[W]	5.62	5.60	5.58	5.56	5.53	5.51	5.49
Maximum power point current	Imp[A]	8.268	8.248	8.227	8.207	8.186	8.166	8.145
Maximum power point voltage	Vmpp[V]	0.680	0.679	0.678	0.677	0.676	0.675	0.674
Short circuit current	Isc [A]	8.752	8.746	8.740	8.734	8.728	8.722	8.716
Open circuit voltage	Voc [V]	0.7500	0.7498	0.7495	0.7492	0.7490	0.7487	0.7484
Fill factor	FF [%]	85.65	85.39	85.15	84.90	84.64	84.40	84.15

Note: More efficient HJT cells can be provided according to the needs.

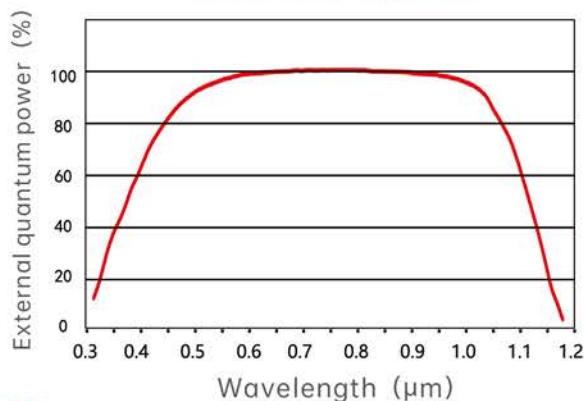
I-V Curve (25.00%)



Temperature coefficient

Maximum power	-0.26%/K
Short circuit current	+0.055%/K
Open circuit voltage	-0.27%/K

Spectral Response



Package Information

Piece/box	Box/container	Piece/container
132	18	2376

Storage instructions

When the sealing foil around the cell box is damaged, broken, or opened, we recommend: ① Ensure that the cell is stored at room temperature and in a dry and clean environment. ② After opening the package, be sure to use or seal it within 10 days

FUTURE ENERGY Co., Ltd.
 IN BRIGHT SUNSHINE THE FUTURE IS ARRIVING



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