

# LIANS

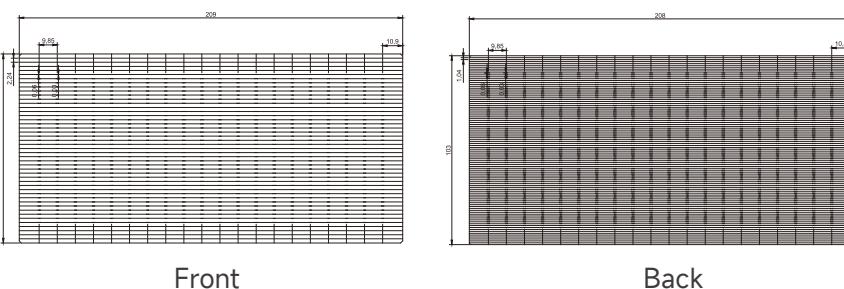
## G12-0BB HJT solar cells

As one of the best in the new generation of high-efficiency solar cells, HJT technology lead a new round of revolution in PV technology. With a single hybrid structure integrating the advantages of crystalline silicon and amorphous silicon thin film technology, HJT solar cell has the advantages of high efficiency and stability with a low-temperature and simplified manufacturing procedures. Extremely low temperature coefficient so as to avoid LID and PID effect. There is no color difference between the front and back side, the bifaciality is more than 95%. The backside has an obvious advantage in power generation, which ensures a stable and high efficiency power output regardless of seasonal circulation and climate change.



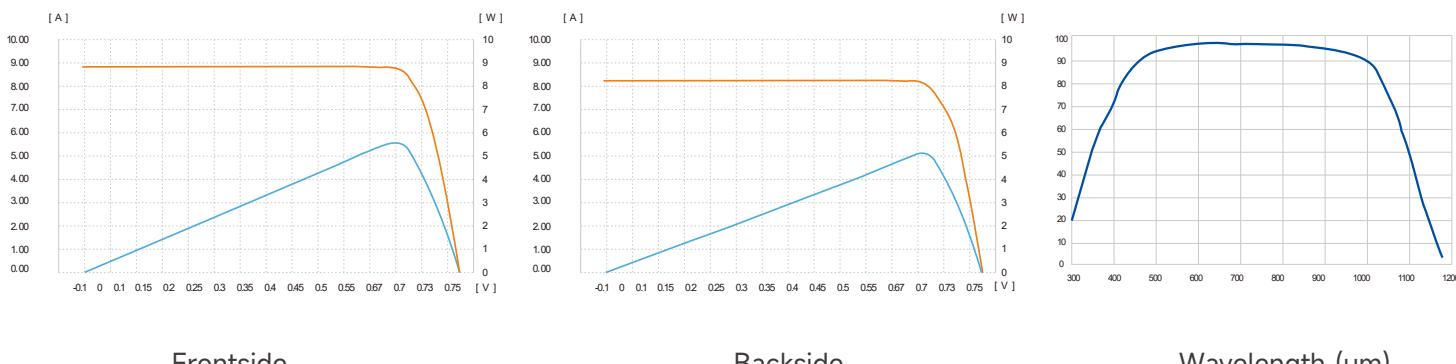
## Mechanical Parameters

Product	High-efficiency Monocrystalline HJT Solar Cell (Half-cut)
Specification	N-type, No busbar, 210.1*105.05mm
Average Thickness	110±15μm, 120±15μm
Front Side (-)	Blue Transparent Conductive Oxide (TCO) Film, No busbar
Back Side (+)	Blue Transparent Conductive Oxide (TCO) Film, No busbar



## I-V Curve(25.50%)

## Wavelength Response



## Electronic Parameters

## Rear Electronic Parameters

Cell Type	LS-210M-260	LS-210M-259	LS-210M-258	LS-210M-257	LS-210M-256	LS-210M-255	LS-210M-254	LS-210M-253	LS-210M-ZM-260	LS-210M-ZM-255	LS-210M-ZM-247	
Max. Power	Pmpp [W]	5.73	5.70	5.68	5.66	5.64	5.62	5.59	5.57	5.44	5.34	5.17
Current at the MaxPower Point	Impp [A]	8.506	8.481	8.463	8.434	8.430	8.405	8.381	8.341	8.005	7.855	7.710
Voltage at the Max.Power Point	Vmpp [V]	0.674	0.673	0.672	0.672	0.669	0.669	0.668	0.669	0.681	0.68	0.672
Short-Circuit Current	Isc [A]	8.905	8.892	8.883	8.875	8.861	8.849	8.833	8.815	8.363	8.315	8.250
Open-Circuit Voltage	Voc [V]	0.753	0.753	0.753	0.752	0.752	0.752	0.752	0.752	0.752	0.750	0.748
Filling Factor	FF	85.48	85.27	85.03	84.89	84.69	84.48	84.30	84.14	86.66	85.64	83.86
Efficiency	η [%]	26.0	25.9	25.8	25.7	25.6	25.5	25.4	25.3	24.7	24.23	23.47

\*Standard Test Conditions: 1000 W/m<sup>2</sup>, AM 1.5, 25°C. The above technical parameters are subject to change due to technological advancements and testing. Leascend Photovoltaic reserves the final right of interpretation.

## Temperature Coefficient

## Packaging Information & Storage Instructions

Open-Circuit Voltage	Voc	-0.22%/°C
Short-Circuit Current	Isc	+0.047%/°C
Max. Power	Pmax	-0.24%/°C

140 pcs/box	16 box/carton	2240 pcs/carton
1. Ensure that cells are stored in an ambient temperature environment that is dry and clean.		
2. After opening the packaging, please process the battery cells within 10 days.		