

730W+ 23.50%

Industry leading Module mass production power

Industry leading Module conversion efficiency

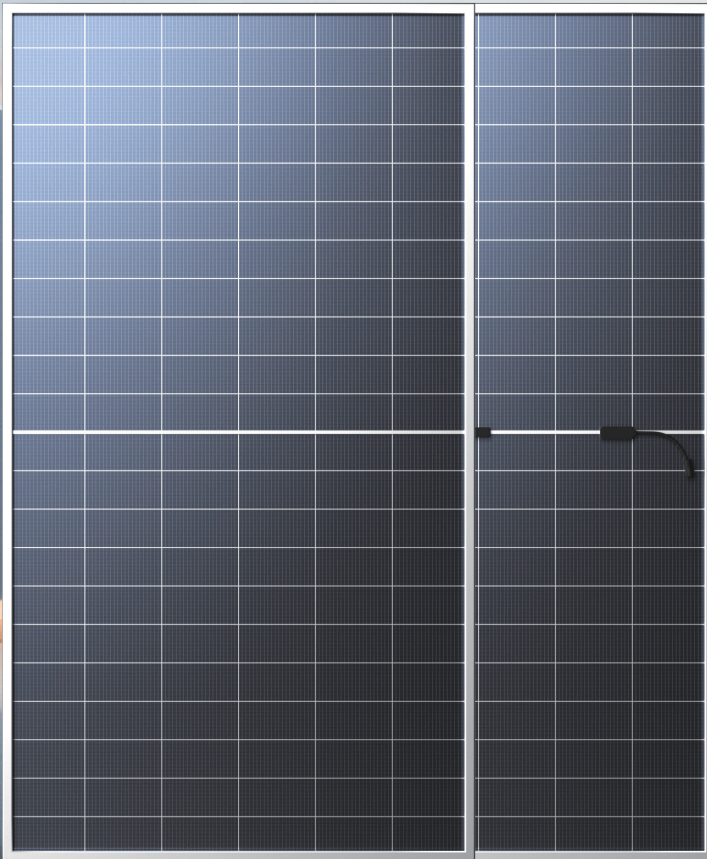
Leascend G12-0BB Module

90% Bifacial rate Dual-Mirco-Crystal High-Efficiency

Leascend Technology Co., Ltd. (stock code "300051") is dedicated to promoting digital innovation and the development of renewable energy, aiming to create a smarter and more sustainable future for the world.

Leascend Photovoltaic Technology Co., Ltd., a subsidiary of Leascend Technology, is a high-tech enterprise focused on the development and application of high-efficiency heterojunction (HJT) solar cell technology, as well as large-scale production. With a vision to become a world-class leader in high efficient solar energy companies, Leascend Photovoltaic adheres to the values of "win-win development, harmonious sharing, and focus on efficiency". Currently, it has the Meishan Leascend 8.8GW project and the Jiangsu Leascend 12GW project. Meishan Leascend officially started production in August 2023, while Jiangsu Leascend commenced construction in December 2023, with completion and production expected by August 2024 and overall project completion by 2025.

Standing at a new starting point, embarking on a new journey with heads held high, Leascend Photovoltaic will focus on high-efficiency heterojunction (HJT) solar cell production and research, adhering to the low-cost, high-quality, and high efficient heterojunction cell technology.



- N-type 210mm Half-cut cell
- Dual microcrystalline
- 90% ultra-high bifacial rate
- 0BB busbar-free design
- Extreme reduction in land occupation, ultra-low Operation and Maintenance Cost
- 15-year product quality assurance, 30-year power output linear warranty
- Fluorine-free and Lead-free products
- Lower energy consumption (<400kg eq CO2/kWc)



High efficiency Cell Technology

Bifacial microcrystalline boost power efficiency.



Ultra high power generation

High double-sided rate, low temperature coefficient, low Degradation



Up to 90% double-sided rate

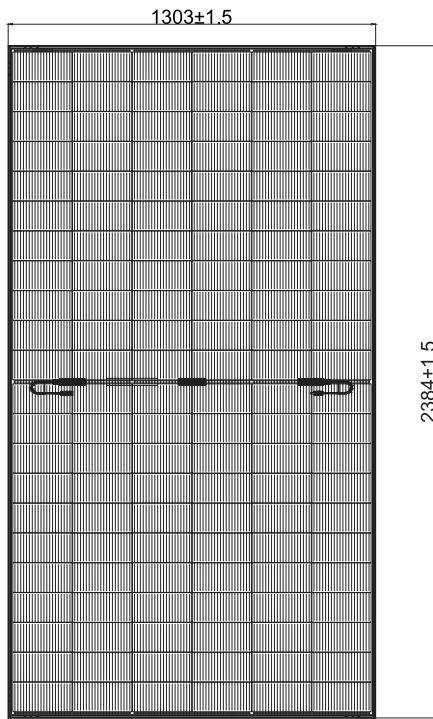
Efficient modules achieved through high bifaciality & innovative design.



Installation preference

Effectively increasing power generation, reducing system BOS costs, and lowering LCOE

Module size(mm)



Electrical Characteristics(STC*)

Maximum Power (Pmax/W)	710	715	720	725	730
Voltage at Maximum Power (Vmp/V)	42.19	42.34	42.48	42.62	42.77
Current at Maximum Power (Imp/A)	16.84	16.9	16.96	17.06	17.14
Open Circuit Voltage (Voc/V)	49.55	49.63	49.72	49.84	49.91
Circuit Current (Isc/A)	17.43	17.55	17.67	17.78	17.89
Module Efficiency(%)	22.86	23.02	23.18	23.34	23.50

*STC: Irradiance 1000W/m², cell temperature 25°C, AM=1.5. *Tolerance of Pmax is within +/- 3%.

Electrical Characteristics(BSTC**)

Maximum Power (Pmax/W)	781	787	792	798	803
Voltage at Maximum Power (Vmp/V)	42.19	42.34	42.4	42.62	42.77
Current at Maximum Power (Imp/A)	18.52	18.59	18.65	18.73	18.78
Open Circuit Voltage (Voc/V)	49.55	49.63	49.72	49.84	49.91
Circuit Current (Isc/A)	19.38	19.42	19.47	19.51	19.53

**BSTC: Front side irradiation 1000W/m², back side reflection irradiation 135W/m², AM=1.5, ambient temperature 25°C.

Temperature Ratings (STC)

Power Output Tolerance	0 ~ +5W
Temperature Coefficient of Pmax	-0.24
Temperature Coefficient of Voc	-0.22
Temperature Coefficient of Isc	+0.047
Maximum Series Fuse Rating	35A
Bifaciality	≥85±5%
Nominal Operating Cell Temperature	43±2°C

Operating Parameters

Maximum System Voltage	DC1500V(IEC)
Operational Temperature	-40 ~ +85°C
Back wind load	2400Pa
Frontal wind load	2400Pa
Frontal snow load	5400Pa

Mechanical Parameters

Type and Size	HJT Solar cell & 210x105mm
Cell Orientation (Pcs)	132(66x2)
Dimension (mm)	2384x1303x35
Cover	Dual glass, 2.0mm
Output Cable (mm)	4mm ² ,300mm in length, length can be customized /UV resistant
Weight (kg)	38.4
Number of Diodes	3
Frame	Aluminum alloy/composite material frame(Color Customization)

Packaging information

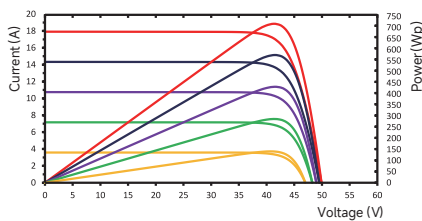
	Flatbed truck	Flatbed truck	Container
Size	13 m	17.5 m	40HC
Pallet	18	26	18
Pcs/pallet	31	31	31
Sum Pcs	558	806	558

Security Level&Warranty

Protection Class	Class II
Product Warranty	15-year product quality assurance
Performance Warranty	30-year power output linear warranty

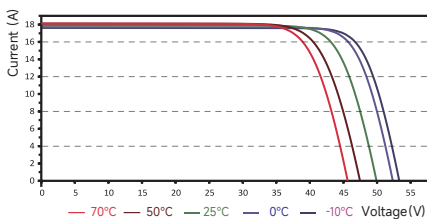
* Less than 1% attenuation in the 1st year, the annual attenuation from the 2nd year is no more than 0.320%, and the power is no less than 89.75% until the 30th year.

I-V curve under different irradiance levels



I-V curve at different battery temperatures

(AM1.5, 1000W/m²)



30-year power output linear warranty

