

# 740W+ 23.82%

## Leascend Uranus G12-0BB Module

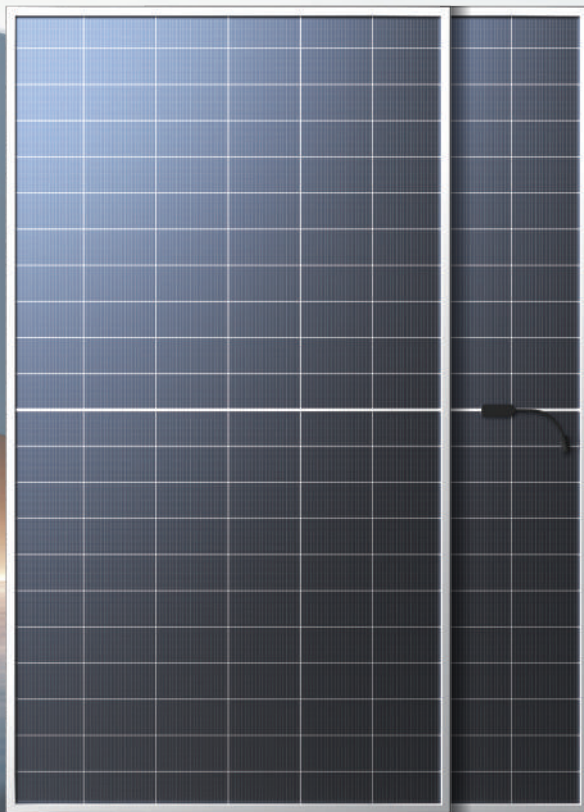
### Bifacial Dual Glass HJT Solar Module

Leascend Photovoltaic Technology Co., Ltd ("Leascend PV"), controlled by Leascend Technology Co., Ltd (300051.SZ), is a technology innovation company focused on the development and mass production of high-efficiency heterojunction solar technology. Leascend PV aims to become a world-leading company of high-efficient solar energy and adheres to the philosophy of "win-win development, harmonious sharing, and focus on efficiency".

Due the rapid development, a strategic layout of two manufacturing plants has been formed, combined the production capacity of Meishan manufacturing plant in Sichuan Province and Nantong manufacturing plant in Jiangsu Province, we have reached a total capacity of 8.8 GW as of 2024. And by the year of 2026, Leascend PV will increase the capacity to 40 GW.

Adhering to the key concept of low cost, high quality and high efficiency, Leascend PV is focusing on the development of heterojunction solar technology, so as to continuously bring new positive changes to solar industry.

Leascend PV is accelerating the process of globalization, keep expanding the global market and bringing more Leascend light to the green world.



**High Efficiency Cell Technology**  
Bifacial microcrystalline boost power efficiency.



**Up to 90% Bifacial Rate**  
Efficient modules achieved through high bifaciality & innovative design.



**Ultra High Power Generation**  
High bifacial rate, low temperature coefficient, low Degradation



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

- Fluorine-free products
- Lower energy consumption (<400kg eq CO2/kWc)

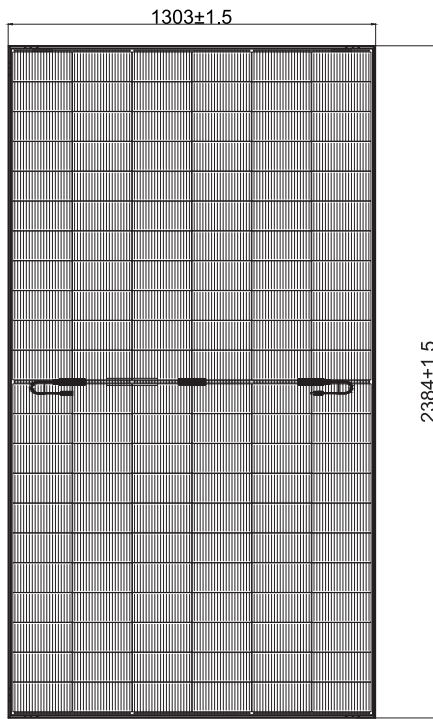


**15**-year process Warranty

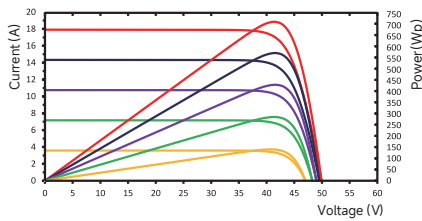


**30**-year power linearity warranty

## Module size(mm)

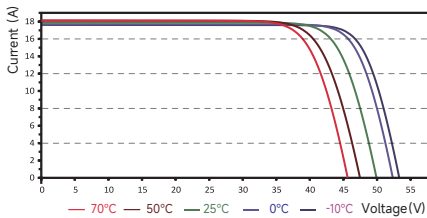


I-V curve under different irradiance levels

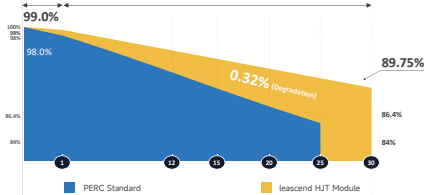


I-V curve at different battery temperatures

(AM1.5, 1000W/m<sup>2</sup>)



30-year power output linear warranty



## Electrical Characteristics(STC\*)

|                                  |        |        |        |        |        |
|----------------------------------|--------|--------|--------|--------|--------|
| Maximum Power (Pmax/W)           | 720W   | 725W   | 730W   | 735W   | 740W   |
| Voltage at Maximum Power (Vmp/V) | 42.48V | 42.62V | 42.77V | 42.90V | 43.05V |
| Current at Maximum Power (Imp/A) | 16.96A | 17.02A | 17.09A | 17.14A | 17.20A |
| Open Circuit Voltage (Voc/V)     | 49.72V | 49.84V | 49.91V | 49.99V | 50.08V |
| Circuit Current (Isc/A)          | 17.67A | 17.78A | 17.89A | 17.97A | 18.06A |
| Module Efficiency(%)             | 23.18% | 23.34% | 23.50% | 23.66% | 23.82% |

\*STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM=1.5. \*Tolerance of Pmax is within +/- 3%.

## Electrical Characteristics(BSTC\*\*)

|                                  |        |        |        |        |        |
|----------------------------------|--------|--------|--------|--------|--------|
| Maximum Power (Pmax/W)           | 790W   | 795W   | 800W   | 805W   | 810W   |
| Voltage at Maximum Power (Vmp/V) | 42.48V | 42.62V | 42.77V | 42.90V | 43.05V |
| Current at Maximum Power (Imp/A) | 18.61A | 18.66A | 18.72A | 18.78A | 18.83A |
| Open Circuit Voltage (Voc/V)     | 49.72V | 49.84V | 49.91V | 49.99V | 50.08V |
| Circuit Current (Isc/A)          | 19.70A | 19.82A | 19.94A | 20.06A | 20.18A |

\*\*BSTC: Front side irradiation 1000W/m<sup>2</sup>, back side reflection irradiation 135W/m<sup>2</sup>, 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 <sup>2</sup> ,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.

