

About Astronergy



Operation

As a green manufacturing enterprise, Astronergy implements low-carbon actions through every PV module, practices green behaviors through every employee, and guides our partners in the PV industry chain to build a sustainable ecology together.



Customer

Astronergy always puts customers' needs first and focuses on communication and cooperation. We are constantly looking for new ways to better serve our customers with more convenient services and sustainable products.



Astronergy uses large-size wafers for all of its modules and actively promotes the use of thinner wafers, fluorine-free backsheets, etc., to continually improve module efficiency and reduce the carbon emissions and energy consumption of ASTRO N series modules.



Employee

Astronergy is deeply committed to employee welfare and implements various initiatives in recruitment, training and corporate culture, emphasising equal opportunities and respecting employees from different backgrounds.

International Initiatives













Sustainability Rating
DEC 2024



Diverse Workforce

of 38 Countries and 42 Nationalities



Solar The Future

Astronergy First Public Welfare Program



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Key Figures in 2024



22.22%

Directors

Proportion of Female



Certification





























Sustainability

2035

100

Eco-power Plant

40%

Female Employee Proportion

100%

Operate With Renewable Energy

1,000

Employees Gain Support For Their Continuous Education

Female Senior Management Staff Proportion

100%

Core Suppliers Obtained ISO 14001/45001 Certification

10,000

Farmers Gained Help For Income Increase

30%

Female Technician Proportion

90%

Product Recycling

Landfill Waste

Zero Carbon Factories

100%

Key Suppliers Conduct Due Diligence And **Environmental & Social Impact Assessment**

Management Members' Remuneration Linked To ESG Performance

2028 Year

1st

Zero Carbon Factory

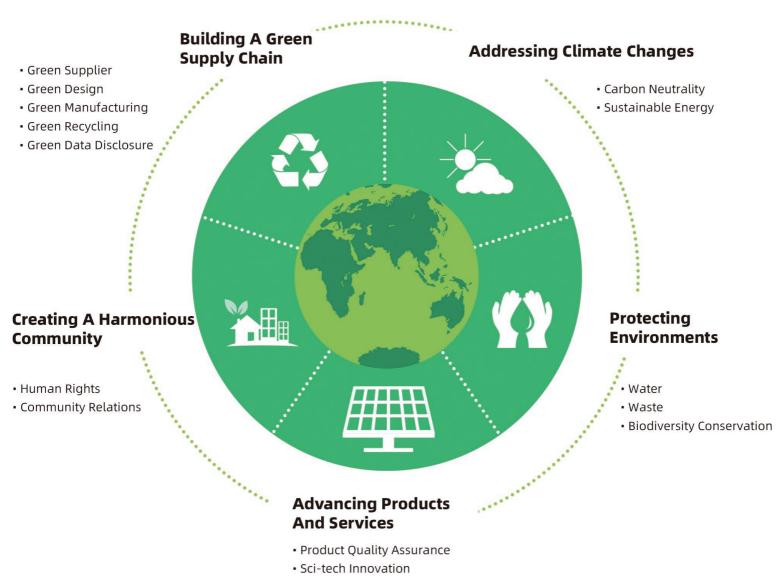
CRE4 ECS

French Carbon Footprint Certification

2023



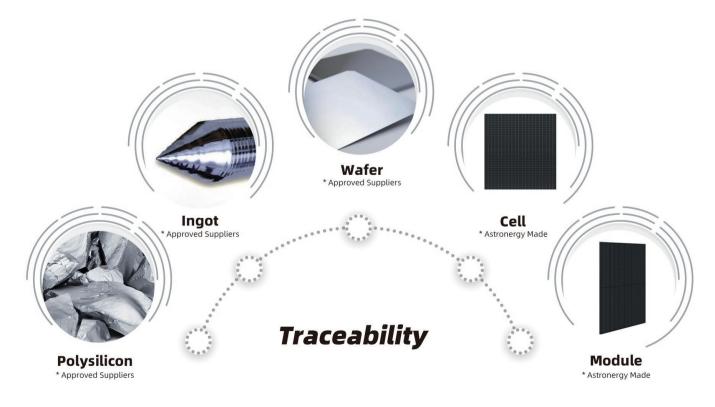








Astronergy has developed a comprehensive traceability system to ensure product quality, which covers all aspects of the supply chain from upstream suppliers to finished products, showing our superior product reliability and corporate responsibility as an industrial benchmark.













Green Supplier

Astronergy emphasizes the responsible sourcing of raw materials and partnerships with environmentally responsible suppliers.





First Company Enabling Automatic 'Al Detection of EL Defects'

Green Manufacturing

Astronergy enables the intelligent monitoring and traceability in the production process from raw materials to finished products.



Automated Guided Vehicle (AGV) 95% Automation Rate



100%

Recyclability rates of aluminum frames, glass, and junction boxes

95%



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Recyclability rate of PV cell

80%



Recyclability rate of PV ribbons





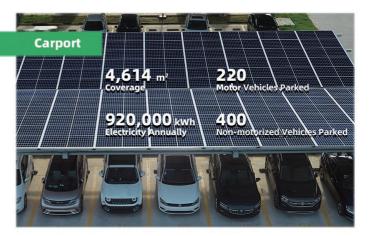


Lighting System

200+ 31,080 kWh
Streetlights Installed Electricity Annually

17.7 tons
Carbon Emission Reduced

Astronergy finished the upgrade of its first zero-carbon factory - Yancheng Zero-Carbon Factory.



Astronergy improved transport mechanism by increasing the water transport and reducing the transportation of container trucks.

Water Transportation

571.84 tons

Carbon Emission Reduced (Haining MFG. To Ningbo Port)







Astronergy, NIO and OPF hand for the world's first EV PV Self-consumption System with V2G Chargers at Oilian Mountain National Park.

Clean Park

ASTRO N PV Modules Installed

53 tons Carbon Emission Reduced

670,000 kWh **Electricity Annually**

Astronergy focuses on the management of water resources in the production and operation process, and is committed to improving the efficiency of water use.

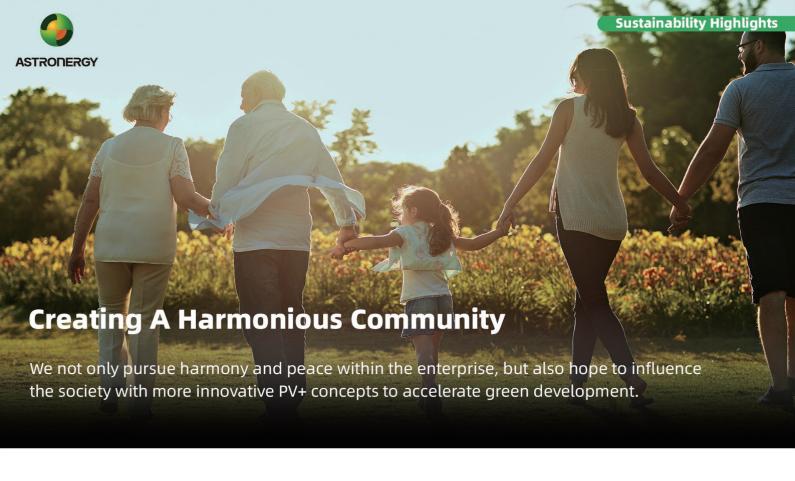
Cooling Tower

69,000 cubic meters

Water Consumption Saved









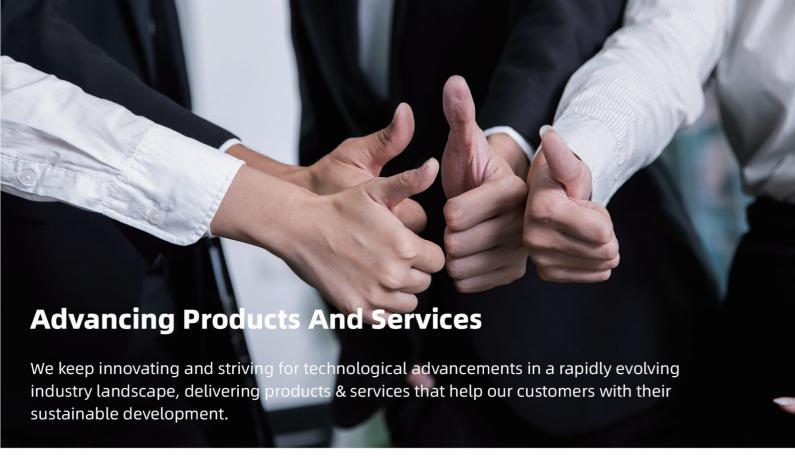
'PV+' Public Education

Astronergy has initiated a public education center for promoting eco-friendliness, which has attracted hundreds of kids and their families come to manufacturing bases to get inspirations for a sustainable and eco-friendly future.

Homing Program

Astronergy fully protects the rights and interests of employees, creates a culturally-integrated working environment like 'Homing' event, and provides employees with broad career development opportunities.







One-Stop Service

Astronergy is constantly improving its customer service and establishing a one-stop shop to ensure flexibility, credibility and quick action.

Leading Technology

Astronergy is in the leading position in the n-type TOPCon, and its main series of products, the ASTRO N7 and N7s, utilize TOPCon 5.0 solar cell technology and more environmentally friendly materials.



