

About Astronergy





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.



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













Certification



Low Carbon Footprint Certificate granted by Certisolis



UL EPD



ISO14067 Product Carbon Footprint



Greenhouse Gas Emissions Verification Certification (ISO 14064-1:2018) granted by BSI



ZE BY 2050 Carbon Neutrality

Sustainability Strategy

2035 Year 100

Bio-power Plant Collaborations

40%

Female Employee Proportion

100%

Operate With Renewable Energy 1,000

Employees Gain Support For Their Continuous Education

30%

Female Senior Management Staff Proportion

100%

Key Suppliers Attain Iso 14001/45001 Certification 10,000

Farmers Gained Help For Income Increase

30%

Female Technician Proportion

90%

Product Recycling Rate

0 Landfill Waste

8

Zero Carbon Factories

100%

Key Suppliers Conduct Due Diligence And Environmental & Social Impact Assessment

100%

Executive Pay Linked To ESG Performance

2028 Year

1st

Zero Carbon Factory

CRE4 ECS

French Carbon Footprint Certification

2023 Year

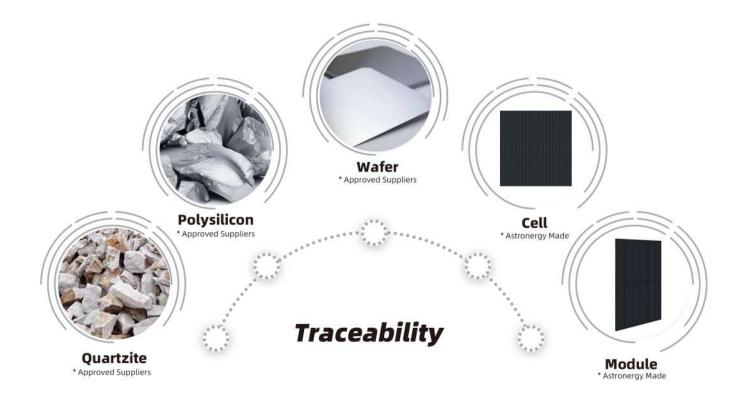








Astronergy is building a clean supply chain by adopting Manufacturing Execution Systems (MES) technology to document traceability, showing our excellent product reliability, safety and corporate responsibility as an industrial benchmark.



Green Supplier

Astronergy emphasizes the responsible sourcing of raw materials and foster 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%

Recycling rate of packaging, glass, and frame materials

95%



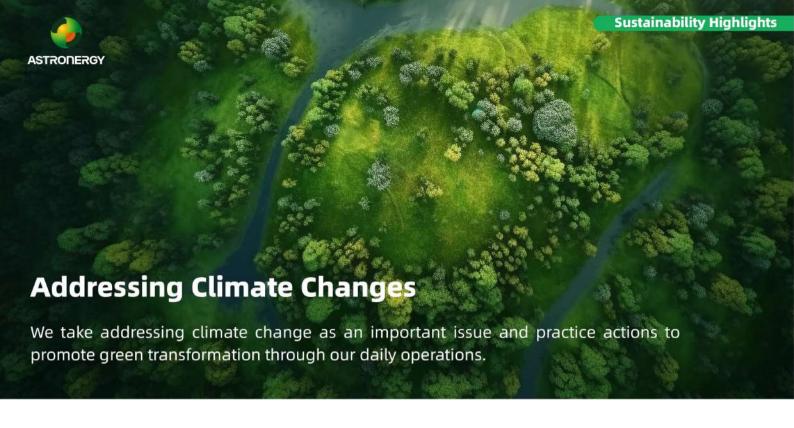
Recycling rate for PV cells

80%



Recycling rate of welding ribbons







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 Qilian Mountain National Park.

Clean Park

75 ASTRO N PV Modules Installed

53 tons Carbon Emission Reduced

670,000 kWh Electricity Annually

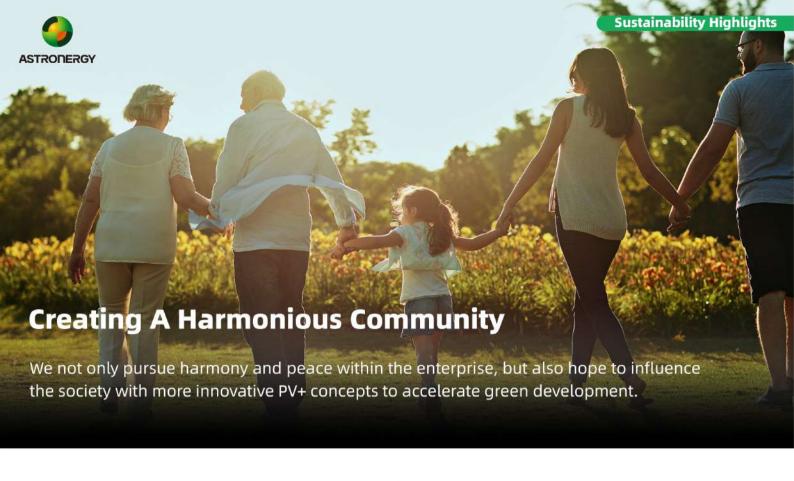
Astronergy focuses on the management of water resources in the production and operation process, and is committed to improving the efficiency of water use.

Cooling Tower

69,000 cubic metersWater Consumption Saved









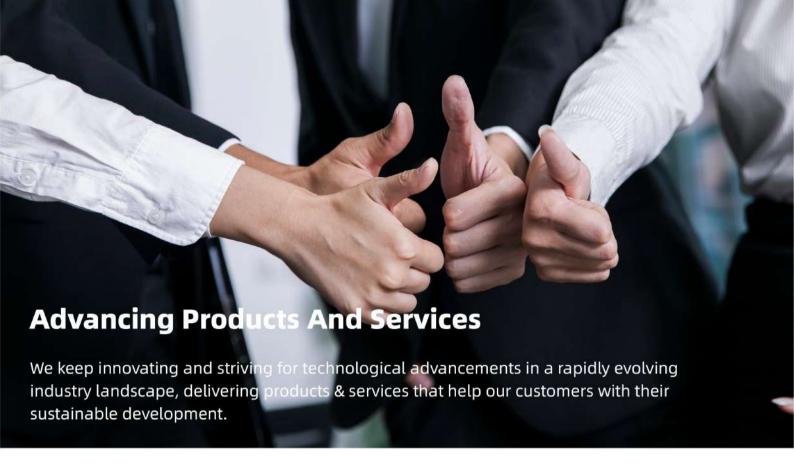
'PV+' Public Education

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, with more than 80% of the total production capacity, more than 49 new patents, and the launch of the latest series of products using more environmentally friendly materials - ASTRO N7 & N7s.



