

ABOUT ASTRONERGY



- As a Top 6 PV module supplier at global shipment volume, Astronergy has huge plans to expand its manufacturing capacity, product coverage while keep supply chain transparency and lower carbon emissions across the entire value chain of a PV module.
- As a company we shoulder great social responsibilities. Astronergy insists on its green energy core, and to keep developing in much more friendly way for greener world.
- The commitment to create a sustainable and net-zero carbon world is the primal force of Astronergy to dive into the PV industry for developing better tech of great performance, and to expand high-reliability products to each tiny corners of energy demands.

3.02 Billion USD

Total Revenue in 2022

TOP 6

2023 H1 PV modules shipments among all suppliers worldwide
11.5 GW total shipments in 2023 H1.

Year-over-year increase 100% of shipment volume

55 gw 2023 PV Modules Production Capacity Worldwide **53** gw 2023 PV cells Production Capacity Worldwide

Year-over-year increase 100% of production capacity

GLOBAL PRESENCE



To be the Benchmark of Intelligent Manufacturing in the Industry





Haining, HQ R&D, MFG Center



Manufacturing Base In Yancheng



Manufacturing Base In Jiuquan

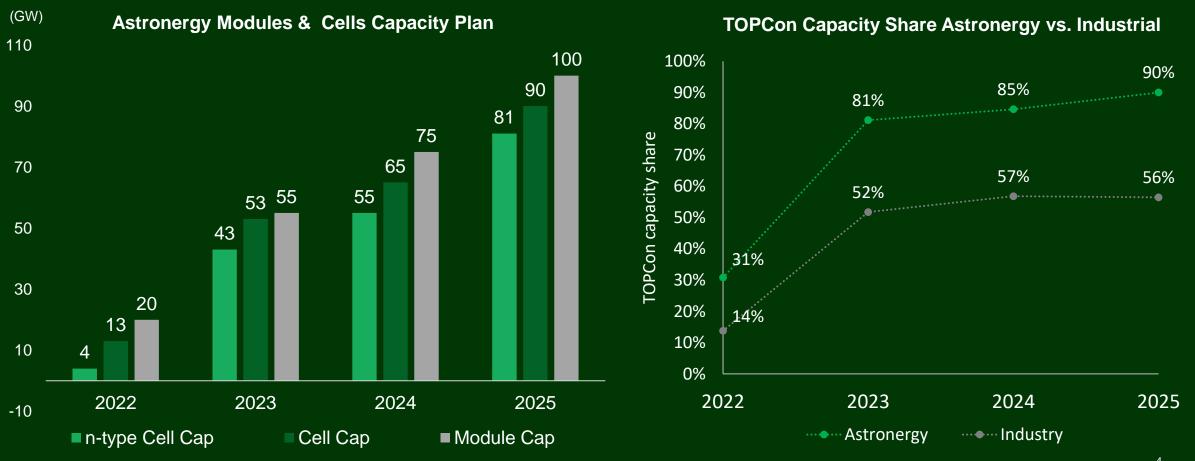


Manufacturing Base in Thailand

CAPACITY PLANNING



Astronergy's TOPCon cell production capacity will increase to **43GW** in 2023. In 2025, the **TOPCon capacity share of Astronergy will be ≥ 90%** vs. **industry ≤ 60%**.



BRAND STRATEGY



Astronergy

Customer Demands **Green & Low-carbon**

Green supply chain; Zero-carbon factory; Lower carbon footprint; Carbon reduction

Green

High Quality & High Reliability

Product reliability; Product quality control system; Authoritative third-party testing

Reliability

Steady Development

Financial soundness; Global shipment volume; Better performance in bankability



Bankability

Social Responsibility

ESG concept; ESG information disclosure; Employer brand building



Compliance

Astronergy& Customers

Astronergy - ace in solar tech. We know the better way to share the sunlight with the world.



Slogan

For A Greener World

GREEN SUSTAINABLE DEVELOPMENT MANAGEMENT



1) Establish the First level organization ESG office

Setting up an independent team to build ESG services









- Southeast Asia
- Europe
- Middle East
- North America
- South America

5) Green Supply Chain

- Supply Chain Management Technology
- Green Manufacturing Theory
- Establish a resource-saving and environmentfriendly system including procurement, production, marketing, recycling and logistics





- · Astronergy obtained the Yancheng factory
- successfully zero carbon plant certification certificate by TÜV Rheinland on June 13, 2023
- The target is to build 8 zero carbon factories by 2028

4) The Traceability/ Social Accountability

- STS traceability
- SA8000: Social Accountability
- ECOVADIS: Sustainability
- ISO 37001: Anti-bribery management systems

6) Green Product

- Improve Green Product Design and Recycling Systems
- 2023/08/30
- DG module production power reach 580W
- 2023/12/15
- French ECS PPE2 ≤450 kg eq CO2/kWp
- 2023/12/31

SUSTAINABILITY ROADMAP



Support 1,000 Employees to **Complete Continuing** Education and Enhance Their **Academic Qualifications**

Support 100 Ecological Power Plant Projects in Total

90% Product Recycling Rate

40% Proportion of Female Employees

30% Proportion of Female in the Management Team

30% Proportion of Female Technicians

100% Proportion of Core Suppliers Certified by ISO 14001/45001

Help 10,000 Farmers Increase Their Income

Operational Carbon Neutrality

100% Proportion of Renewable **Energy Sources**



2035

2028

Zero Landfill of Waste

All Members of the Management Team Have Their Compensation Linked to Esg

100% Core Suppliers Are Subject to Due Diligence Audits and Social **Environmental Standard** Assessments

8 Zero Carbon Factories

Astronergy ESG Report

French ECS Certification

The First Zero Carbon Factory



MILESTONES IN ZERO CABRON FACTORIES



Rooftop PV (Photovoltaic) Power Station





Water-Saving Fixtures

PV (Photovoltaic) Carport



Green Building Materials

The Birth of the First Zero Carbon Factory

PV (Photovoltaic) Street Light



Green Energy Certificate

Energy-Saving Lighting System



Energy and Carbon Emission Intelligent Management System

ACHIEVEMENTS OF THE ZERO CARBON FACTORY



Evaluation Level of the Zero Carbon Factory - Type I Three Stars

Factory Name: CHINT New Energy (Yancheng) Co., Ltd.

Report Period: July 1, 2022 ~ December 31, 2022

Reported Greenhouse Gas Emissions: 64,511.35 tCO2e

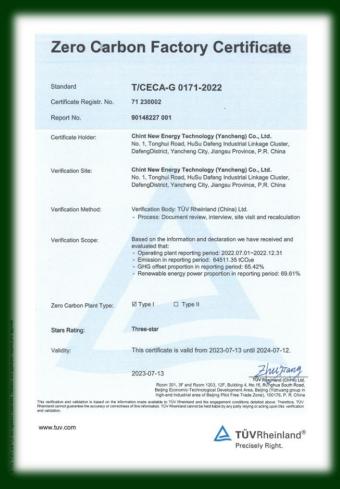
Reported Greenhouse Gas Offset Percentage: 65.42%

Reported Renewable Energy Electricity Percentage: 69.61%

Verifier: TüV Rheinland Testing & Certification Service (China) Co., Ltd.

As a new energy company closely associated with low-carbon transition, Astronergy drives production with a green approach and actively promotes low-carbon transformation and zero-carbon factory certification across all our facilities.

Our goal is to complete the construction of at least 3 zero carbon factories by 2024 and achieve a total of 8 zero carbon factories by 2028. Through concrete actions, we are dedicated to protecting our green planet.

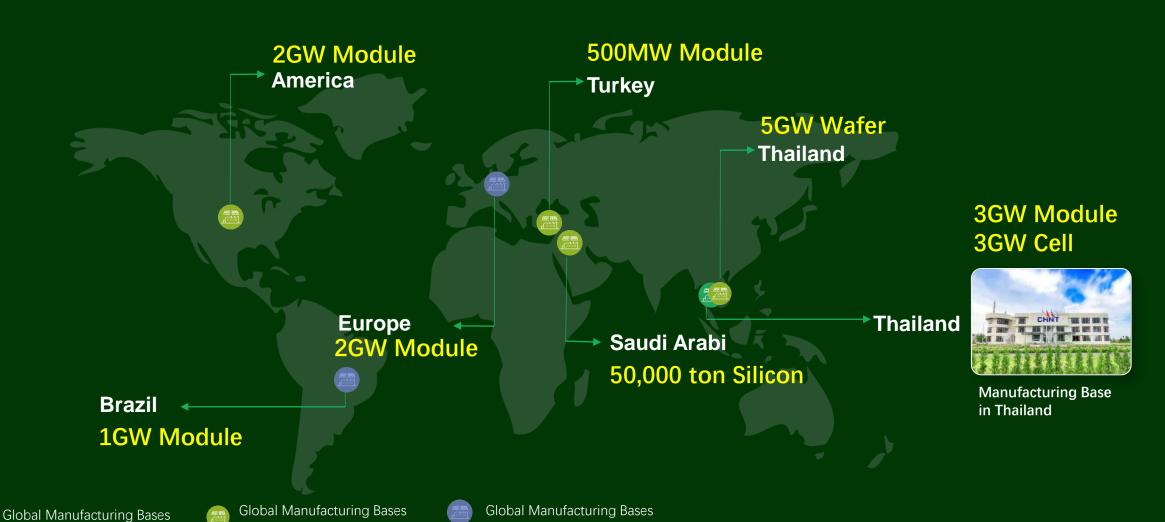


OVERSEAS PRESENCE

(mass production)

(Preparing for construction)





(under evaluation)

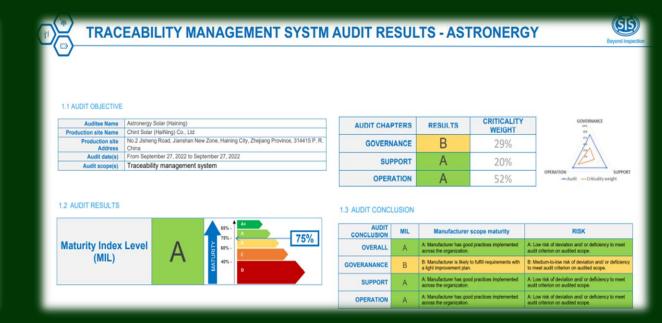
SUSTAINABILITY



□ ECOVADIS: sustainability rating SILVER

ecovadis **EcoVadis Scorecard** www.ecovadis.com **CHINT SOLAR (ZHEJIANG) CO LTD (GROUP)** 2022 ecovadis 74th Hangzhou - China | Manufacture of other electrical equipment percentile Publication date: 12 Apr 2022 (Revised: 27 ... Average industry score Insufficient Partial Good Advanced Outstanding **OVERALL SCORE ENVIRONMENT LABOR & HUMAN ETHICS** SUSTAINABLE RIGHTS **PROCUREMENT**

□ STS: Traceability management system audit



SUSTAINABILITY



□ **SA8000:** Social Accountability

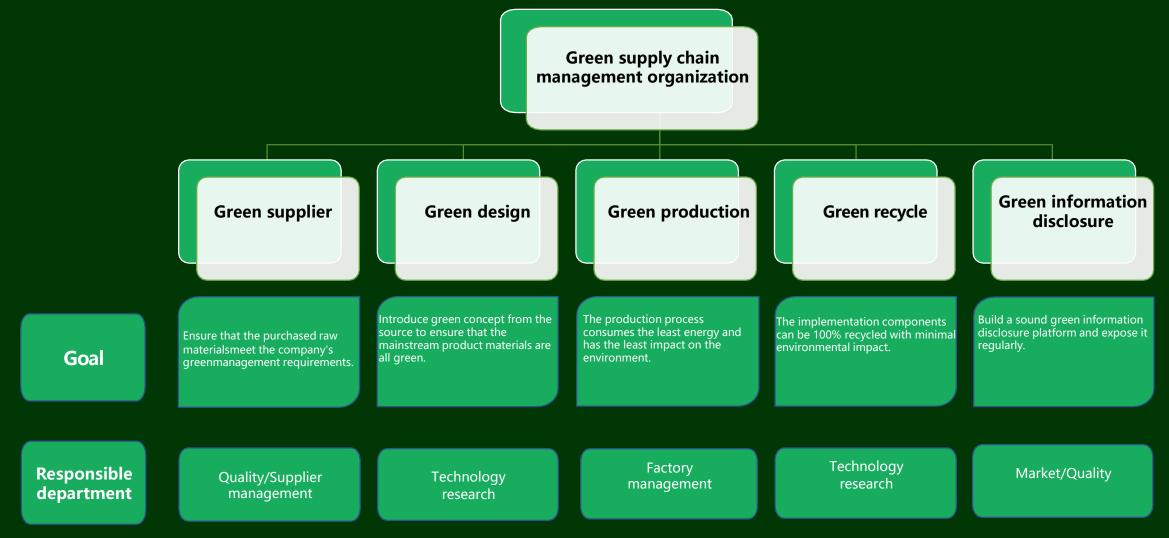


□ ISO 37001: Anti-bribery management systems (in progress)



GREEN SCM IMPLEMENTATION STRATEGY





Low Carbon-emission Certificates





Main Products — ASTRO N-Series















High Quality, High Performance, High Efficiency

www.astronergy.com



