

## **ENF Solar Assessed Supplier**

Assessment Report Presented to:

Xiamen Huge Energy Stock Co., Ltd.  
厦门友巨新能源股份有限公司

Service Commissioned by:



Service Provided by:



November 22, 2024

Report Number: <<C159ENF20241001>>

Report Date: 19/Nov./2024

Expiry Date: 18/Nov./2026

Online Verification: <https://verified.chn.tuv.com>

## Introduction

This report has been commissioned by ENF Solar – the world’s most visited solar website. Inspections have been undertaken by TÜV Rheinland – a testing service provider who have been testing solar components since 1985. TÜV Rheinland is part of TÜV Rheinland Group, a technical services company established in 1872 and employing 17,000 staff around the world.

To make these reports, TÜV Rheinland sends inspectors directly to the factories to collect data, take pictures and check documents.

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*The TÜV Rheinland “Supplier Capability Assessment” program is not designed to be a performance standard but rather an information validation program against an established criterion providing potential buyers with information on the establishments stated claims and capabilities.*

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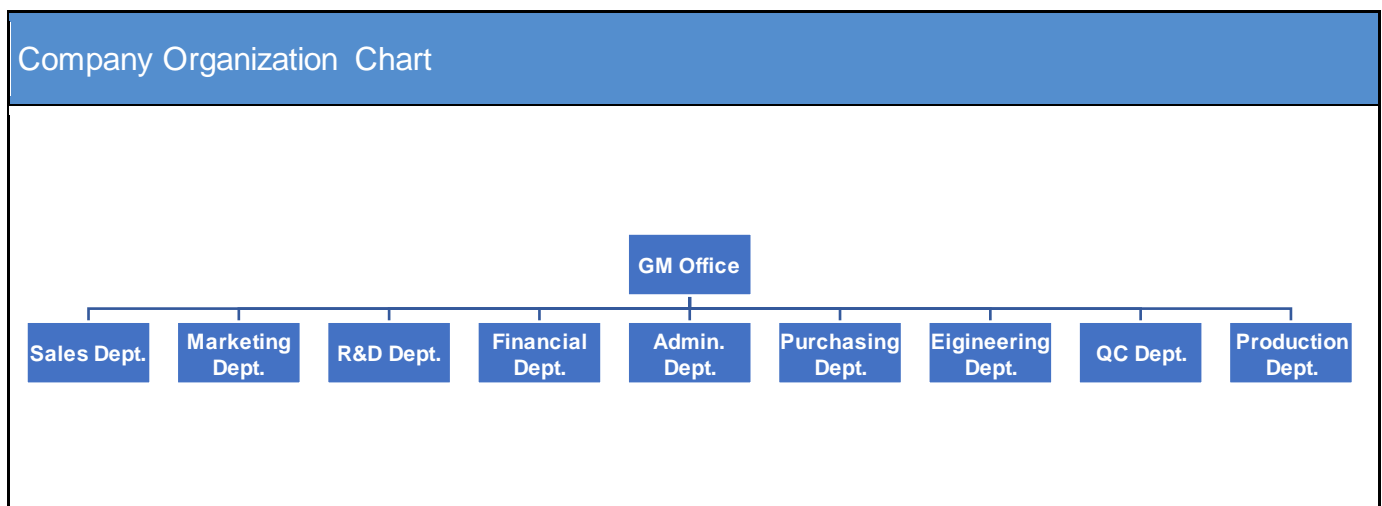
## Company Overview

Identification	Details		
Company Name	Xiamen Huge Energy Stock Co., Ltd.		
Facility address	Office: Area A, 2nd Floor, No. 6 Factory Building, Songlin Road, Guankou Town, Jimei District, Xiamen City, Fujian Province, China; Factory: No. 803, Guankou South Road, Jimei District, Xiamen City, Fujian Province, China		
	Contact Person:	Mr. Mike Lai	
	Tel:	0086-13055235980	
	Fax:	Nil	
	E-mail:	cn.sales002@hugergy.com	
URL/Web Address	www.hugergy.com		
Report Date	19/Nov./2024		
Expiry Date (24 months validity)	19/Nov./2024 -- 18/Nov./2026		
Name of Assessor	Eric Huang		
Overall Turnover of Last Year	RMB 132,073,779.26		
Total Building Size	5,910 Square Meters		
Number of Buildings	2		
Office Size	2,065 Square Meters		
Working Day	Monday to Friday	Working Hours	8:00 -- 17:00

## Legal Entity

Legal Entity			
Business License Number	91350211065852714Y		
Year Established	07/Apr./2013	Validity Period:	07/Apr./2013 -- 06/Apr./2033
Registered Address	Room 201, No. 6, Songlin Road, Guankou Town, Jimei District, Xiamen City, Fujian Province, China		
Company Address	Office: Area A, 2nd Floor, No. 6 Factory Building, Songlin Road, Guankou Town, Jimei District, Xiamen City, Fujian Province, China; Factory: No. 803, Guankou South Road, Jimei District, Xiamen City, Fujian Province, China		
Registered Capital	RMB 20,000,000		
Corporate Representative	Mr. Hongze Lai		
Industry	Renewable Energy		
Products /Service	Mounting System		
Business Type	<input type="checkbox"/> Manufacturer	<input type="checkbox"/> Trading Company	<input checked="" type="checkbox"/> Combined
Type of Ownership	<input checked="" type="checkbox"/> Private Owner	<input type="checkbox"/> Public Company	<input type="checkbox"/> Joint Venture
	<input type="checkbox"/> Stated Owned	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other

## Human Resources



Department Name	Full Time Employee(s)	Part-Time Employee(s)	Total
GM Office	4	0	4
Sales Dept.	24	0	24
Marketing Dept.	4	0	4
R&D Dept.	12	0	12
Financial Dept.	4	0	4
Admin. Dept.	5	0	5
Purchasing Dept.	5	0	5
Engineering Dept.	5	0	5
QC Dept.	5	0	5
Production Dept.	29	0	29
<b>Totals</b>	<b>97</b>	<b>0</b>	<b>97</b>

## Export Business Capacity

Current Export Situation																																						
There are 13 foreign trading employees in the company.																																						
<table border="1"> <thead> <tr> <th>Working Experience</th> <th>Headcount</th> </tr> </thead> <tbody> <tr> <td>Over 30 Years</td> <td>0</td> </tr> <tr> <td>21-30 Years</td> <td>0</td> </tr> <tr> <td>11-20 Years</td> <td>3</td> </tr> <tr> <td>6-10 Years</td> <td>0</td> </tr> <tr> <td>2-5 Years</td> <td>10</td> </tr> <tr> <td>Less than 2 years</td> <td>0</td> </tr> </tbody> </table>		Working Experience	Headcount	Over 30 Years	0	21-30 Years	0	11-20 Years	3	6-10 Years	0	2-5 Years	10	Less than 2 years	0	<table border="1"> <thead> <tr> <th>Accepted Language</th> <th>Listening &amp; Speaking</th> <th>Reading &amp; Writing</th> </tr> </thead> <tbody> <tr> <td>English</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Japanese</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table>		Accepted Language	Listening & Speaking	Reading & Writing	English	Yes	Yes	Japanese	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Working Experience	Headcount																																					
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N/A	N/A	N/A																																				
N/A	N/A	N/A																																				
N/A	N/A	N/A																																				
Does the company have a valid export license?		<input checked="" type="checkbox"/> Yes Export License Registration No.: 03518597	<input type="checkbox"/> No																																			





Trade Agents Employed Overseas	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
Nearest Port	Xiamen Port			
Accepted Payment Terms	<input checked="" type="checkbox"/> FOB	<input checked="" type="checkbox"/> CIF	<input checked="" type="checkbox"/> EXW	<input checked="" type="checkbox"/> CFR
Accepted Payment Types	<input checked="" type="checkbox"/> L/C	<input checked="" type="checkbox"/> T/T	<input type="checkbox"/> Credit Card	<input checked="" type="checkbox"/> Cash
	<input checked="" type="checkbox"/> West Union	<input type="checkbox"/> Money Gram	<input type="checkbox"/> Paypal	<input type="checkbox"/> Money booker
Average lead time from product order confirmation to production delivery (products exiting the company)	15 Days			

Market Distribution (Previous 12 Months)		
Market	Main Product(s)	Total Revenue (%)
North America	N/A	0
South America	Mounting System	1
Eastern Europe	Mounting System	1
Southeast Asia	Mounting System	1
Africa	Mounting System	1
Oceania	N/A	0
Middle East	Mounting System	1
Eastern Asia	Mounting System	31
Western Europe	Mounting System	1
Central America	N/A	0
Northern Europe	Mounting System	1
Southern Europe	Mounting System	1
South Asia	Mounting System	1
Domestic Market	Mounting System	60

## Product Capabilities

Production Capacity		
Product Name	Production Line Capacity (Monthly)	Actual Units Produced (Previous Year)
Mounting System	250 MW/Month	952 MW

Production Machinery			
Key Machine Name	Brand & Model No.	Quantity	Condition
Cutting Machine	No Information	2	Acceptable
Punching Machine	AOMATE & APA80/110	10	Acceptable
Drilling & Tapping Machine	Wuyishan & S4012/4112	5	Acceptable
Drilling & Milling Machine	Xiling & ZX7025	1	Acceptable

Cutting Machine	Punching Machine	Drilling & Tapping Machine
		
Drilling & Milling Machine	N/A	N/A
	N/A	N/A



Key Testing Machinery			
Machine Name	Brand & Model No.	Quantity	Condition
Thickness Gauge	Dongru & DR280	3	Acceptable
Micrometer	Chengliang & A0001960	4	Acceptable
Hardness Tester	Jingcheng & W-20A	2	Acceptable
Tensile Strength Tester	Ledi & WEW-30M	1	Acceptable
Salt Spray Test Chamber	Huitai & HT-YW90	1	Acceptable



**Production Flow**



**R & D Capacity**

**Current Situation**

There are 12 R&D engineers in the company.

Education Level	Headcount	Work Experience	Headcount
Doctorate	0	Over 30 Years	0
Post-Graduate	0	21-30 Years	0
Graduate	7	11-20 Years	2
Junior College	3	6-10 Years	2
Technical School	2	2-5 Years	5
High School	0	Less than 2 years	3

**Brand Situation**

Registration/application No.	Brand Name	For Approval to Use Goods	Validity Date	Ref.
57824778	Refer to the photo	Class 37	28/Feb./2022 -- 27/Feb./2032	Refer to the photo
32475838	Refer to the photo	Class 6	21/Jun./2019 -- 20/Jun./2029	Refer to the photo
57812325	Refer to the photo	Class 37	07/Feb./2022 -- 06/Feb./2032	Refer to the photo

Patent Situation				
Patent No.	The Name of the Patent	The Patent Type	Available Date	Ref.
ZL 2019 1 0981577.8	Following solar photovoltaic power generation device	The Invention Patent	22/Mar./2022	Refer to the photo
ZL 2020 1 1561959.4	High-stability solar cell panel support frame for photovoltaic power generation	The Invention Patent	22/Mar./2022	Refer to the photo
ZL 2022 2 3329143.6	A column adapter structure	The patent for utility model	06/Jun./2023	Refer to the photo
ZL 2023 2 1722495.X	A waterproof guide rail and a photovoltaic support fixed connection structure	The patent for utility model	19/Dec./2023	Refer to the photo
Does the company provide OEM/ODM service for others?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Are there relevant design input/output, review, and verification documents available for the assessed company?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Based on inspection, are R&D employees equipped with adequate specialized equipment?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Do R&D employees use any specific software for designing new products?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

## Development Devices



## Management Systems & Quality Control Management

Quality Management System Certification				
Certification	Certified By	Certificate No.	Business Scope	Expiry Date
ISO 9001:2015	TUV SUD	TUV100 04 3521	Design of metal solar stents	29/May./2024 -- 10/Jul./2025
ISO14001:2015	Shenzhen Meiao Testing and Certification Co., Ltd.	51322E0752R0M	Relevant environmental management activities involved in the R&D and production of metal solar powered supports	12/Aug./2022 -- 12/Jul./2025
ISO45001:2018	Shenzhen Meiao Testing and Certification Co., Ltd.	5132200562R0M	Relevant occupational health and safety management activities involved in the R&D and production of metal solar powered supports	12/Aug./2022 -- 12/Jul./2025
Green Enterprise Certification	ZRC	ZRC24LQ0204R0M	Manufacture of metal solar stents	07/Jul./2024 -- 06/Jul./2027
Green Supply Chain Certification	ZRC	ZRC24LL0316R0M	Green supply chain Management activities involved in the production of metal solar supports (5 stars)	07/Jul./2024 -- 06/Jul./2027

Product Certification				
Certification	Certified By	Certificate No.	Product Name & Model No.	Expiry Date
Certificate of Compliance	ECM	3N210916.XHEQD39	Solar mounting system & solar tracking system	17/Sep./2021 -- 15/Sep./2026

Test Report			
Test Report	Certified By	Product Name & Model No.	Expiry Date
Test Report	SGS	BY Medium Pressure Combination	19/Aug./2023

Quality Control Management			
Content	Observations / Comments		
Does the company set up any inspection standards for raw materials?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Has the company set up necessary quality inspection standards in the process of production?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Does the company have any measures to control the management of unqualified materials after sampling, to avoid mixing up or wasting?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Are work instructions available at the location where the processes take place?	<input checked="" type="checkbox"/> Total line	<input type="checkbox"/> Parts of the line	<input type="checkbox"/> No
Is personal protective equipment (PPE) needed in the production line?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Is the management and usage of production materials as well as the production process executed by staff who are appropriately trained and qualified or by senior staff?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	

Supplier Management			
Content	Observations / Comments		
Does the company have a supplier assessment procedure?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Does the company establish and implement a standard procedure for purchasing contract review and approval?	<input checked="" type="checkbox"/> Yes, with written standard procedures	<input type="checkbox"/> Yes, with written procedure but lack of consistent standard	<input type="checkbox"/> No



Does the company keep its supplier assessment reports?	<input checked="" type="checkbox"/> Yes, Keep for _3_ years available			<input type="checkbox"/> No
Are the company's purchasing documents sufficient to ensure product safety control and their customers' requirements?	<input checked="" type="checkbox"/> Yes, the purchasing document includes all the information required	<input type="checkbox"/> Yes, however the purchasing document includes incomplete information		<input type="checkbox"/> No
Is there a procedure to conduct random product inspections after final packaging?	<input checked="" type="checkbox"/> Yes, with clear standard and written inspection records	<input type="checkbox"/> Yes, with inspection records but no procedures	<input type="checkbox"/> Yes, with procedures but no inspection records	<input type="checkbox"/> No, inspections are not necessary

After Sales Service				
Content	Observations / Comments			
Has the company set up any procedure for customer feedback, including complaints, clearly recorded and maintained?	<input checked="" type="checkbox"/> Yes, with a standard feedback form and records	<input type="checkbox"/> Yes, with a standard feedback form but no records	<input type="checkbox"/> Yes, with records but no standard feedback form	<input type="checkbox"/> No
Are there any clear procedures for handling customer complaints?	<input checked="" type="checkbox"/> Yes, with clear procedures and written records	<input type="checkbox"/> Yes, with clear procedures but no written records	<input type="checkbox"/> Yes, with written records but no clear procedures	<input type="checkbox"/> No
Does the company have the SOP (Standard Operation Procedure) for after-sales service? Does the company provide after-sales consulting services?	<input checked="" type="checkbox"/> Yes			<input type="checkbox"/> No
Does the company implement the provisions of the National Three Warrantees (warranty for repair/replacement /return) for their products?	<input type="checkbox"/> Yes			<input checked="" type="checkbox"/> No

## Corporate Social Responsibility

Child Labour & Forced Labor		
Content	Observations / Comments	
Is it clarified that there's no child labor in the company?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Does the company have an explicit job management program, and take corresponding measures to check the age of the employees?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Are the staff clearly aware of the terms of labour contract, regulations of the company and the right of free employment?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Have the staff been forced to work overtime? Will they be fined or fired if they refuse to?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Health and Safety		
Content	Observations / Comments	
Has the company set up a safety responsibility system, and distributed to all levels of supervisor and provided them with corresponding training?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Does the company conduct regular inspection of the plant and equipment, to ensure the health and safety of the workshop at least in accordance with the law?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Does the company regularly provide necessary safety and health training, to make the staff understand that there might be occupational hazards in their work, and take appropriate protective measures when necessary? (For example, how to use personal protective equipment safely, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Does the company hold regular fire drills, including fire drills and evacuation drills? Do the staff clearly know how to raise an alarm, how to evacuate and how to use the fire extinguisher?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No (No regular fire drill was conducted by the factory)
Does the company have the approval report issued by the local Fire Bureau?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Does the company provide sufficient first aid equipment? Are first-aid kits and trained first-aiders available in each workplace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No (No qualified first aider available in workshop)

Does the company provide clean lavatories, separating men's and ladies'?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Does the company provide clean drinking water to the staff? Is there unrestricted access to the drinking water?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

## Development / Expansion Plans

Company Development / Expansion Plans	
Company Development Action	Timeframe
To be the top 3 in domestic solar mounting system industry.	2029



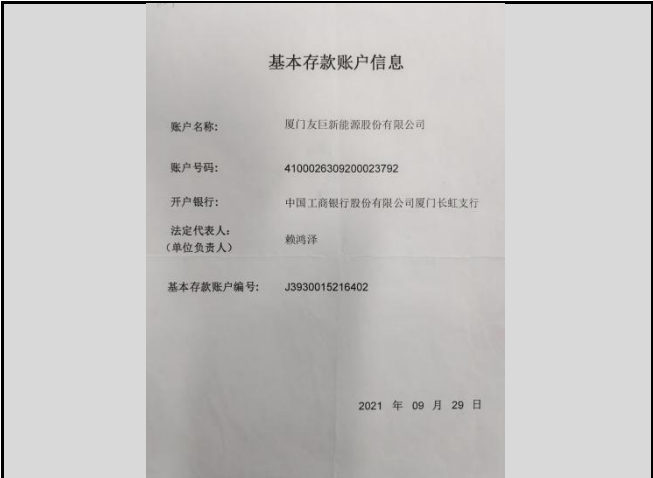
# Certification & Photos

## Certification

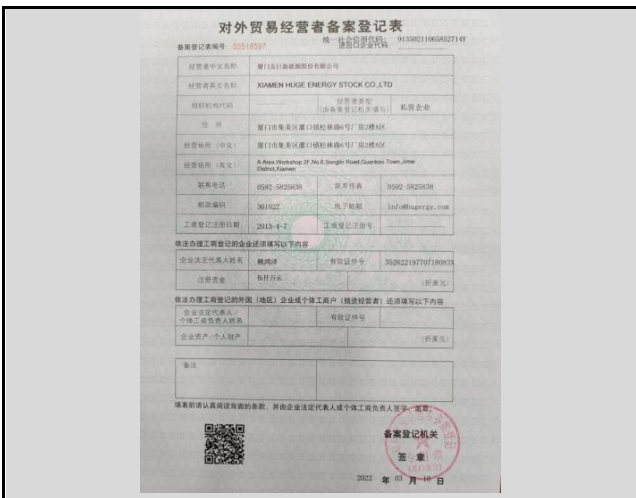
### Business License



### Permit for Opening Bank Account



### Import and Export Enterprise Registration



### Trademark 1



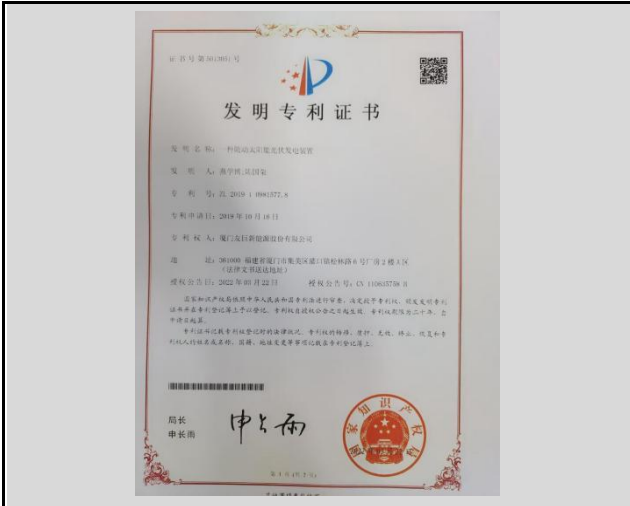
Trademark 2



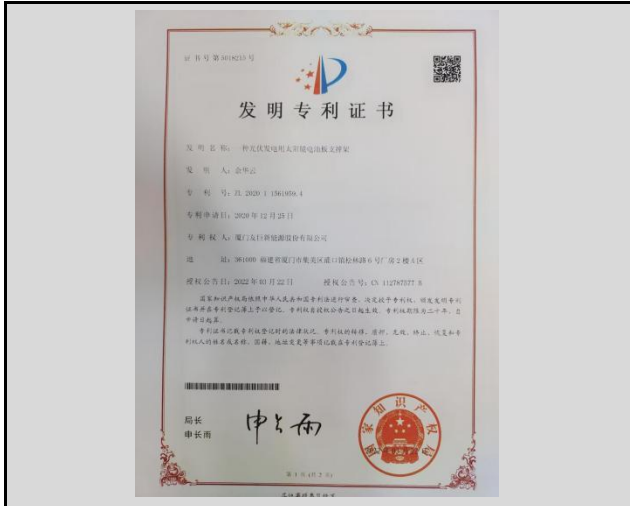
Trademark 3



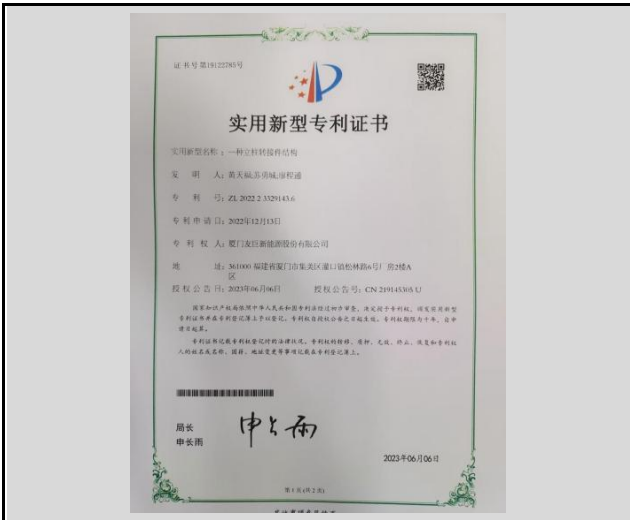
Patent 1



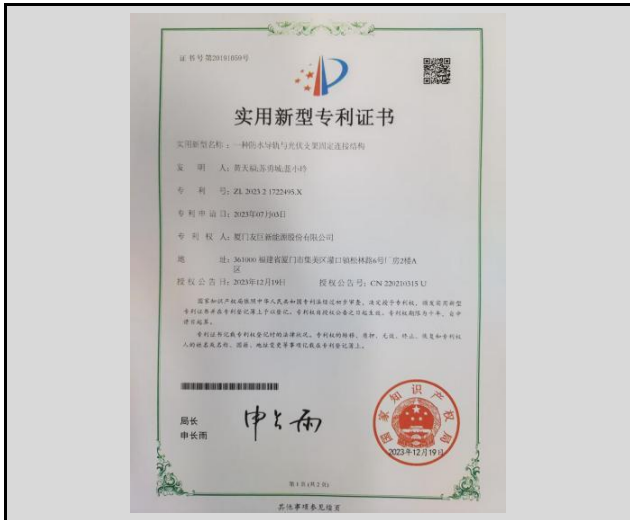
Patent 2



Patent 3



Patent 4



ISO9001:2015 Certificate



ISO14001:2015 Certificate



ISO45001:2018 Certificate



Green Enterprise Certification



Green Supply Chain Certification



Test Report





Company Gate



Office



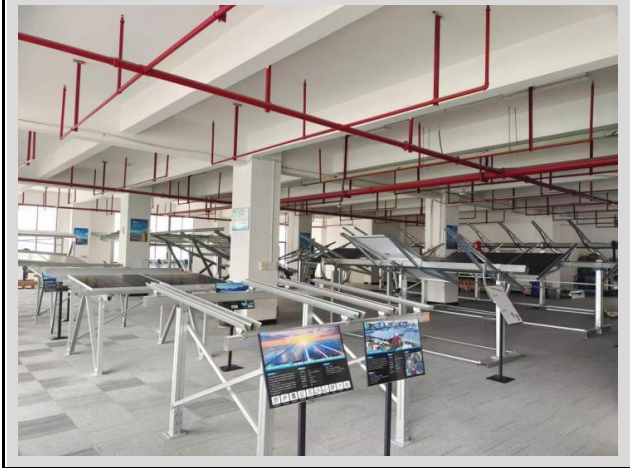
Workshop



Warehouse



Showroom



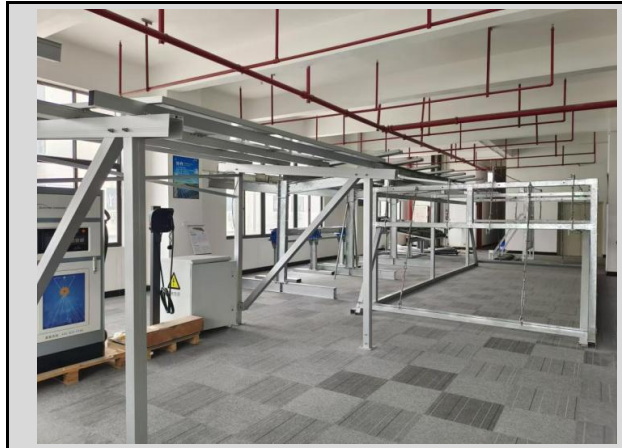
Showroom



Product Photo



Product Photo



Product Photo



Product Photo



-- The END --