

## **ENF Solar Assessed Supplier**

Assessment Report Presented to:

Einnova Solarline Energy Corp. Limited

南京沃利特新能源科技有限公司

Service Commissioned by:



Service Provided by:



October 9, 2024

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Report Date: 13/Sep./2024

Expiry Date: 12/Sep./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 objective of validating supplier information is to provide additional confidence to buyers so that they know the information has been verified by an independent third party.*

*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

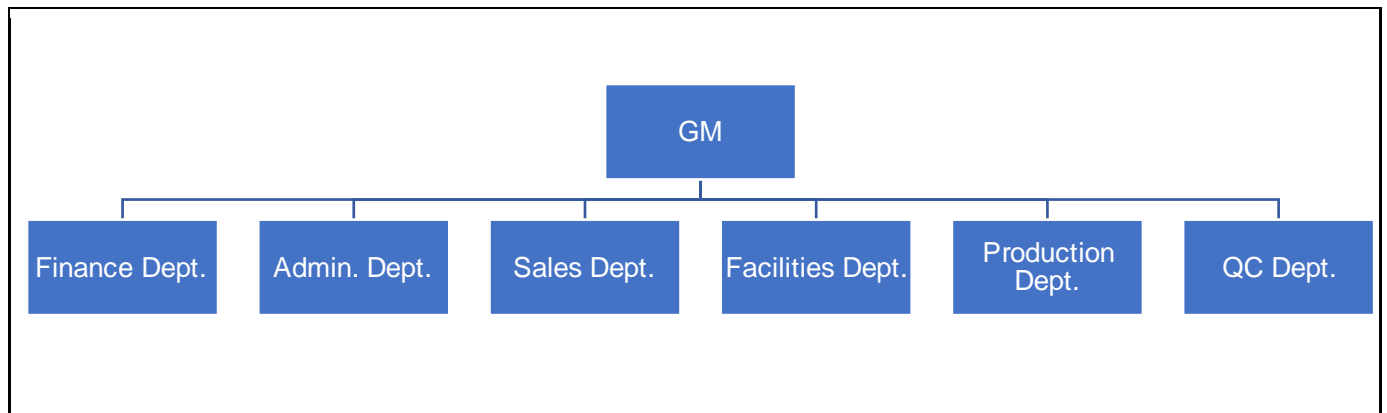
Identification	Details		
Company Name	Einnova Solarline Energy Corp. Limited		
Facility address	Building No.4, Qingxi Industrial Park, Qingxi Town, Hanshan County, Ma'anshan City, Anhui Province, China (the audited address belongs to associated company <i>Einnova Solarline Energy Corp. Limited (Anhui)</i> )		
	Contact Person:	Ms. HongYa Wu	
	Tel:	0086-13813088384	
	Fax:	0086-025-84792033	
	E-mail:	emma.wu@einnova-solarline.com	
URL/Web Address	https://www.einnova-solarline.com		
Report Date	13/Sep./2024		
Expiry Date (24 months validity)	13/Sep./2024 -- 12/Sep./2026		
Name of Assessor	Leaf Jiang		
Overall Turnover of Last Year	Confidential		
Total Building Size	11,680 Square Meters		
Number of Buildings	1		
Office Size	591 Square Meters		
Working Day	Monday to Saturday	Working Hours	08:00 -- 12:00
			13:30 -- 17:30

## Legal Entity

Legal Entity			
Business License Number	91320105062625970K		
Year Established	22/ March /2013	Validity Period:	22/ March /2013 -- 21/ March /2033
Registered Address	Room 710-62, No. 116 Suo Street, Jianye District, Nanjing City, Jiangsu Province, China		
Company Address	Building No.4, Qingxi Industrial Park, Qingxi Town, Hanshan County, Ma'anshan City, Anhui Province, China (the audited address belongs to associated company <i>Einnova Solarline Energy Corp. Limited (Anhui)</i> )		
Registered Capital	RMB 10,000,000		
Corporate Representative	Ms. Jinmei Tong		
Industry	Solar Energy Product		
Products /Service	Solar Panel		
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

Company Organization Chart



Department Name	Full Time Employee(s)	Part-Time Employee(s)	Total
GM	1	0	1
Finance Dept.	1	0	1
Admin. Dept.	2	0	2
Sales Dept.	7	0	7
Facilities Dept.	1	0	1
Production Dept.	47	0	47
QC Dept.	9	0	9
<b>Totals</b>	68	0	68

## Export Business Capacity

Current Export Situation
There are <u>7</u> foreign trading employees in the company.

Working Experience	Headcount	Accepted Language	Listening & Speaking	Reading & Writing
Over 30 Years	0	English	Yes	Yes
21-30 Years	0	N/A	N/A	N/A
11-20 Years	2	N/A	N/A	N/A
6-10 Years	3	N/A	N/A	N/A
2-5 Years	1	N/A	N/A	N/A
Less than 2 years	1	N/A	N/A	N/A

Does the company have a valid export license?	<input checked="" type="checkbox"/> Yes Export License Registration No.: 02753562		<input type="checkbox"/> No	
Trade Agents Employed Overseas	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
Nearest Port	Shanghai 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 checked="" type="checkbox"/> Credit Card	<input checked="" type="checkbox"/> Cash
	<input checked="" type="checkbox"/> West Union	<input checked="" type="checkbox"/> Money Gram	<input checked="" type="checkbox"/> Paypal	<input checked="" type="checkbox"/> Money booker
Average lead time from product order confirmation to production delivery (products exiting the company)	7 -- 15 Days			

Market Distribution (Previous 12 Months)		
Market	Main Product(s)	Total Revenue (%)
North America	N/A	0
South America	Solar Panel	8

Eastern Europe	Solar Panel	61.37
Southeast Asia	N/A	0
Africa	Solar Panel	13.54
Oceania	N/A	0
Middle East	Solar Panel	4.3
Eastern Asia	Solar Panel	12.79
Western Europe	N/A	0
Central America	N/A	0
Northern Europe	N/A	0
Southern Europe	N/A	0
South Asia	N/A	0
Domestic Market	N/A	0



## Product Capabilities

Production Capacity		
Product Name	Production Line Capacity (Monthly)	Actual Units Produced (Previous Year)
Solar Panel	68 MW / Month	800 MW / Year

Production Machinery			
Key Machine Name	Brand & Model No.	Quantity	Condition
PV Cell Laser Cutting Machine	GPV-HP-WS08	3	Acceptable
Series Welding Machine	MS40A	6	Acceptable
Auto Laying Machine	SCBLSL-01	4	Acceptable
Slitting Machine	SC811-2-C01	4	Acceptable
Fold Welding Machine	DH180-HL	1	Acceptable
Automatic Tape Sticking Machine	SC811-2-C36	1	Acceptable
Double Glass Laminating Machine	SC811-2-C28	2	Acceptable
Automatic Edge Banding Machine	XB19039-05	1	Acceptable
Laminating Machine	BSL24560AC-HB	4	Acceptable
Flip Check Machine	No Information	1	Acceptable
Frame Assembling Machine	SC811-2-C11	1	Acceptable

Auto Welding Machine	CG19069-03	1	Acceptable
Glue Filling Machine	SPZ-AB10	2	Acceptable
Solidification Line	No Information	1	Acceptable

**PV Cell Laser Cutting Machine**



**Series Welding Machine**



**Auto Laying Machine**



**Slitting Machine**



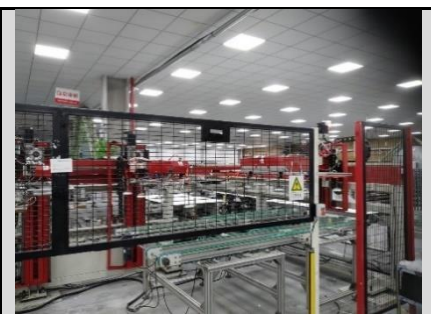
**Fold Welding Machine**



**Automatic Tape Sticking Machine**



**Double Glass Laminating Machine**








**Automatic Edge Banding Machine**



**Laminating Machine**

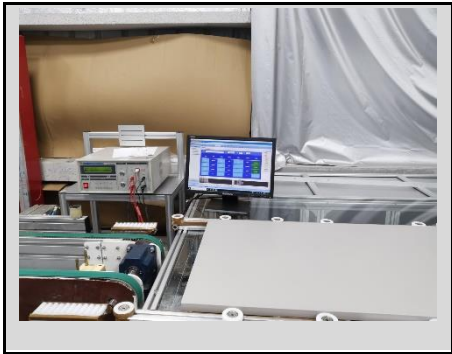


<b>Flip Check Machine</b>	<b>Frame Assembling Machine</b>	<b>Auto Welding Machine</b>
		
<b>Glue Filling Machine</b>	<b>Solidification Line</b>	<b>N/A</b>
		<b>N/A</b>

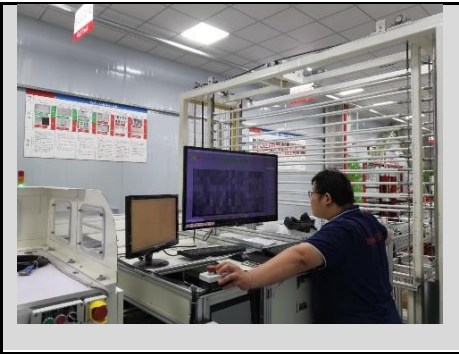
Key Testing Machinery			
Machine Name	Brand & Model No.	Quantity	Condition
Hi-pot Tester	SC811-2-C2302	2	Acceptable
EL Testing Machine	KP-X-M	4	Acceptable
IV Testing Machine	GIV-20ATS	2	Acceptable



Hi-pot Tester



EL Testing Machine



IV Testing Machine



Production Flow

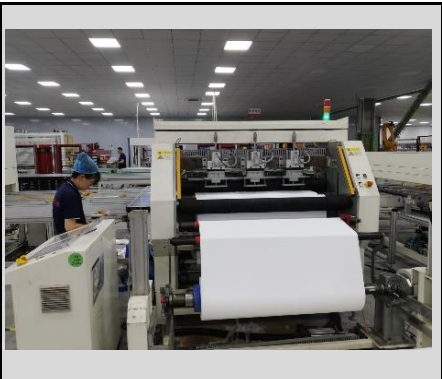
Dicing Saw



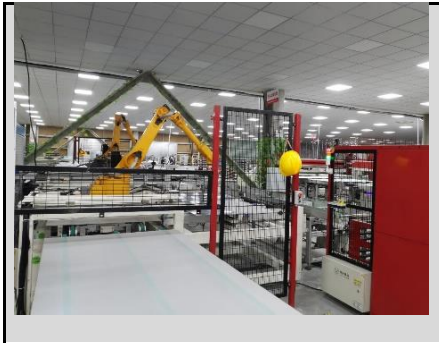
Series Welding



Slitting



Laying



Fold Welding



Sticking



EL	Edge Banding	Laminating
		
Flip Check	Frame Assembling	Auto Welding
		
Glue Filling	Solidify	Cleaning
		
Testing	Packing	N/A
		N/A

## R & D Capacity

### Current Situation

There are 1 R&D engineers in the company.

Education Level	Headcount
Doctorate	0
Post-Graduate	1
Graduate	0
Junior College	0
Technical School	0
High School	0

Work Experience	Headcount
Over 30 Years	0
21-30 Years	0
11-20 Years	1
6-10 Years	0
2-5 Years	0
Less than 2 years	0

### Brand Situation

Registration/application No.	Brand Name	For Approval to Use Goods	Validity Date	Ref.
N/A	N/A	N/A	N/A	N/A

### Patent Situation

Patent No.	The Name of the Patent	The Patent Type	Available Date	Ref.
N/A	N/A	N/A	N/A	N/A
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 type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Based on inspection, are R&D employees equipped with adequate specialized equipment?			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No



Do R&D employees use any specific software for designing new products?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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## Development Devices

N/A	N/A	N/A
N/A	N/A	N/A

## Management Systems & Quality Control Management

Quality Management System Certification				
Certification	Certified By	Certificate No.	Business Scope	Expiry Date
ISO9001:2015	ACM	24CN34510449Q	Production and Sales of Solar Photovoltaic Modules	13/Jul./2024 -- 12/Jul./ 2027

Product Certification				
Certification	Certified By	Certificate No.	Product Name & Model No.	Expiry Date
MCS Certificate	TUV SUD	BABT 8882 RO	Production of Photovoltaic Solar Panels ESM-xxxS; ESM-xxxT	20/Jan./2022 -- 13/Nov./ 2026

CE	TUV SUD	N8A 108801 0005 Rev. 00	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules Mono-Crystalline Silicon Photovoltaic Module ESM-xxxH, xxx= 670 to 710 in steps of 5 ESM-xxxH, xxx= 610 to 645 in steps of 5; ESM-xxxH, xxx= 670 to 710 in steps of 5; ESM-xxxH, xxx= 610 to 645 in steps of 5 etc	4/Jun./2024 -- 3/Jun./2029
CE	ZTL	ZTL-2020122201C	SOLAR MODULE; ESM310; ESM XXX, ESP XXX, ESM XXXH, ESP XXXH, ESM XXX-BDG, ESP XXX-BDG, ESM XXX-BDGH, ESP XXX-BDGH, ESM-XXXS, ESP-XXXS, X ESM XXXBIPV, ESP XXXBIPV, ESM XXXSB, ESM XXXTB, ESP XXXTB (XXX STAND FOR 1W-700W)	25/Dec./2020-- 24/Dec./2025

### Test Report

Test Report	Certified By	Product Name & Model No.	Expiry Date
N/A	N/A	N/A	N/A

### 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
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 <u>1</u> 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
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### 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 Warranties (warranty for repair/replacement /return) for their products?	<input checked="" type="checkbox"/> Yes			<input 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 checked="" type="checkbox"/> Yes	<input 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
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## Development / Expansion Plans

Company Development / Expansion Plans	
Company Development Action	Timeframe
It is estimated that the sales will be completed in 2022. The sales volume is about 1 billion, the annual sales volume in 2023 is 2 billion, and the annual sales volume in 2024 is 3-3.5 billion.	3 Years

## Certification & Photos

Certification
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### Business License



### Tax Registration Certificate







Company Gate(Associated Company)



Office (Associated Company)



Workshop (Associated Company)



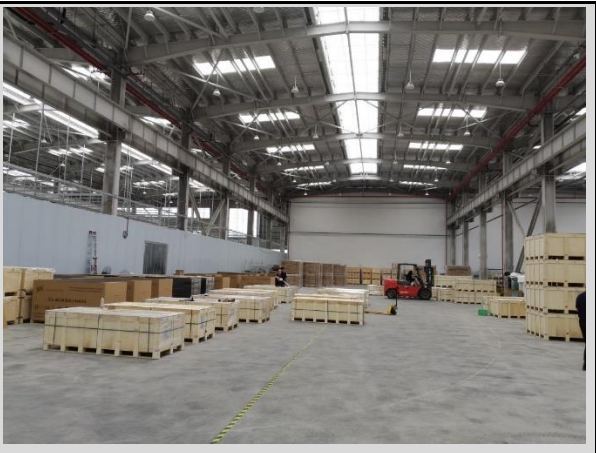
Workshop (Associated Company)

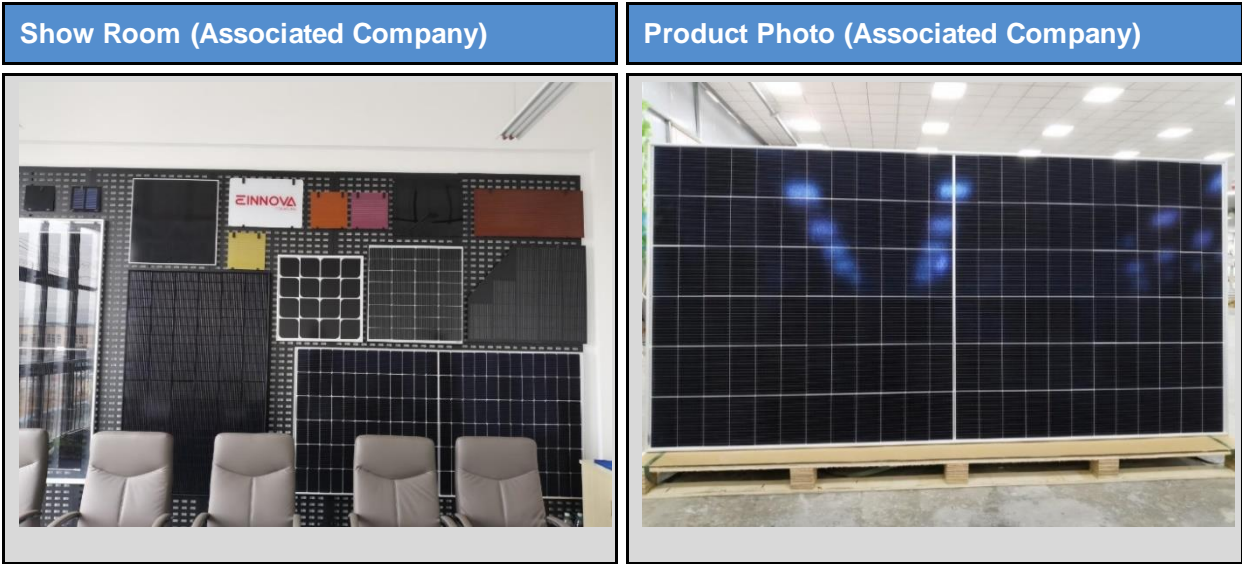


Factory Building (Associated Company)



Warehouse (Associated Company)





-- The END --