

ENF Solar Assessed Supplier

Assessment Report Presented to:

Anhui Huasun Energy Co., Ltd.

安徽华晟新能源科技有限公司

Service Commissioned by:



Service Provided by:



June 1, 2022

Report Number: <<C159ENF20220302>>

Report Date: 27/May/2022

Expiry Date: 26/May/2024

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.

TÜV Rheinland's Disclaimer:

This report reflects our findings for the particular company in concern on the date of our service only. This report does not discharge or release the factory/sellers/suppliers from their commercial, legal or contractual obligations with buyers in respect of products provided by the factory/sellers/suppliers. Any reader other than the party for which this report has been specifically issued is hereby informed that the General Conditions of Service of TÜV Rheinland contain liability limitation provisions.

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

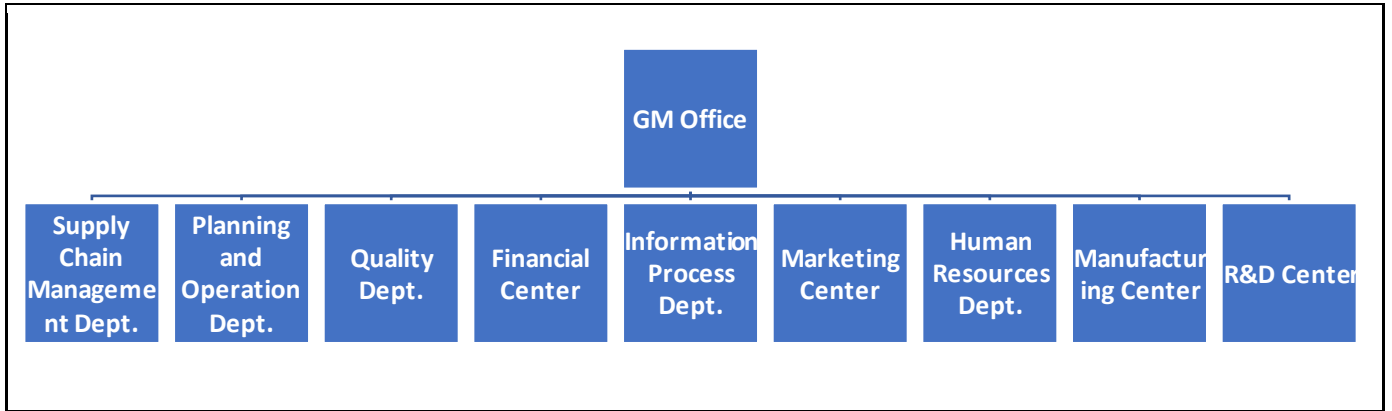
Identification	Details		
Company Name	Anhui Huasun Energy Co., Ltd.		
Facility address	No. 99 Qingliu Road, Economic And Technological Development Zone Xuancheng City, Anhui Province, China		
	Contact Person:	Mr. Hongliang Zhang	
	Tel:	86-18110756096	
	Fax:	N/A	
	E-mail:	zhanghongliang@huasun.net	
URL/Web Address	https://huasun.net		
Report Date	27/May/2022		
Expiry Date (24 months validity)	26/May/2024		
Name of Assessor	Haifeng Jiang		
Overall Turnover of Last Year	RMB 204,347,925.12		
Total Building Size	32945 Square Meter		
Number of Buildings	4		
Office Size	2200 Square Meter		
Working Day	Monday to Saturday	Working Hours	08:30 --12:00
			13:00 --17:00

Legal Entity

Legal Entity			
Business License Number	91341800MA2W1EY93F		
Year Established	21/Jul./2020	Validity Period:	21/Jul./2020-- 31/Dec./2049
Registered Address	Science And Technology Park, Xuancheng Economic And Technological Development Zone, Xuancheng City, Anhui Province, China		
Company Address	No. 99 Qingliu Road, Economic And Technological Development Zone, Xuancheng City, Anhui Province, China		
Registered Capital	RMB 9,800,000		
Corporate Representative	Mr. Xiaohua Xu		
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 Office	7	0	7
Supply Chain Management Dept.	10	0	10
Planning And Operation Dept.	9	0	9
Quality Dept.	37	0	37
Financial Center	17	0	17
Information Process Dept.	6	0	6
Marketing Center	18	0	18
Human Resources Dept.	29	0	29
Manufacturing Center	424	0	424
R & D Center	91	0	94
Totals	648	0	648

Export Business Capacity

Current Export Situation

There are 12 foreign trading employees in the company.

Working Experience	Headcount
Over 30 Years	0
21-30 Years	0
11-20 Years	6
6-10 Years	3
2-5 Years	1
Less than 2 years	2

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

Does the company have a valid export license?	<input checked="" type="checkbox"/> Yes Export License Registration No.: 04464718			<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)	20 Days			

Market Distribution (Previous 12 Months)

Market	Main Product(s)	Total Revenue (%)
North America	N/A	N/A
South America	N/A	N/A
Eastern Europe	Solar Panel	8
Southeast Asia	N/A	N/A
Africa	N/A	N/A
Oceania	N/A	N/A
Middle East	Solar Panel	2
Eastern Asia	N/A	N/A
Western Europe	Solar Panel	10
Central America	N/A	N/A
Northern Europe	N/A	N/A
Southern Europe	Solar Panel	56
South Asia	N/A	N/A
Domestic Market	Solar Panel	24

Product Capabilities

Production Capacity		
Product Name	Production Line Capacity (Monthly)	Actual Units Produced (Previous Year)
Solar Panel	70 MW / Month	750 MW

Production Machinery			
Key Machine Name	Brand & Model No.	Quantity	Condition
PV Cell Laser Cutting Machine	GPV-WS-HP1	2	Acceptable
Material Loading Machine	HORAD(20-037Z-CQ-A-001)	1	Acceptable
Cutting Machine	HORAD	2	Acceptable
Series Welding Machine	AM050E	3	Acceptable
Series Welding Machine	MS40K	2	Acceptable
Auto Laying Machine	HORAD	5	Acceptable
Fold Welding Machine	DH180-S	1	Acceptable
Automatic Tape Sticking Machine	HORAD	2	Acceptable
Automatic Laminating Machine	HORAD	1	Acceptable
Automatic Edge Banding Machine	HORAD	2	Acceptable
Laminating Machine	CYDSC-2698DGM-B	3	Acceptable
Auto Trimming Machine	HORAD	1	Acceptable
Flip Check Machine	HORAD	2	Acceptable
Frame Assembling Machine	EJ-29M	1	Acceptable
Auto Welding Machine	KS-01B	1	Acceptable
Glue Filling Machine	EJ-AB10	1	Acceptable
Solidify Line	No Information	1	Acceptable

PV Cell Laser Cutting Machine



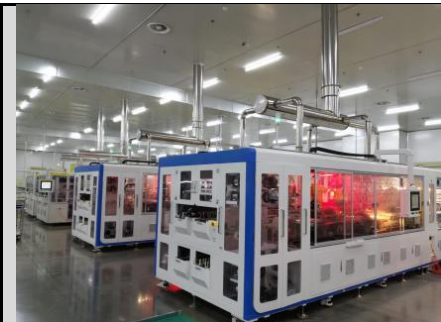
Material Loading Machine



Cutting Machine



Series Welding Machine (AM050E)



Series Welding Machine (MS40K)



Auto Laying Machine



Fold Welding Machine











Automatic Tape Sticking Machine




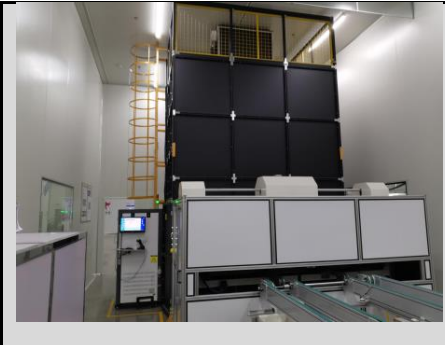


Automatic Laminating Machine



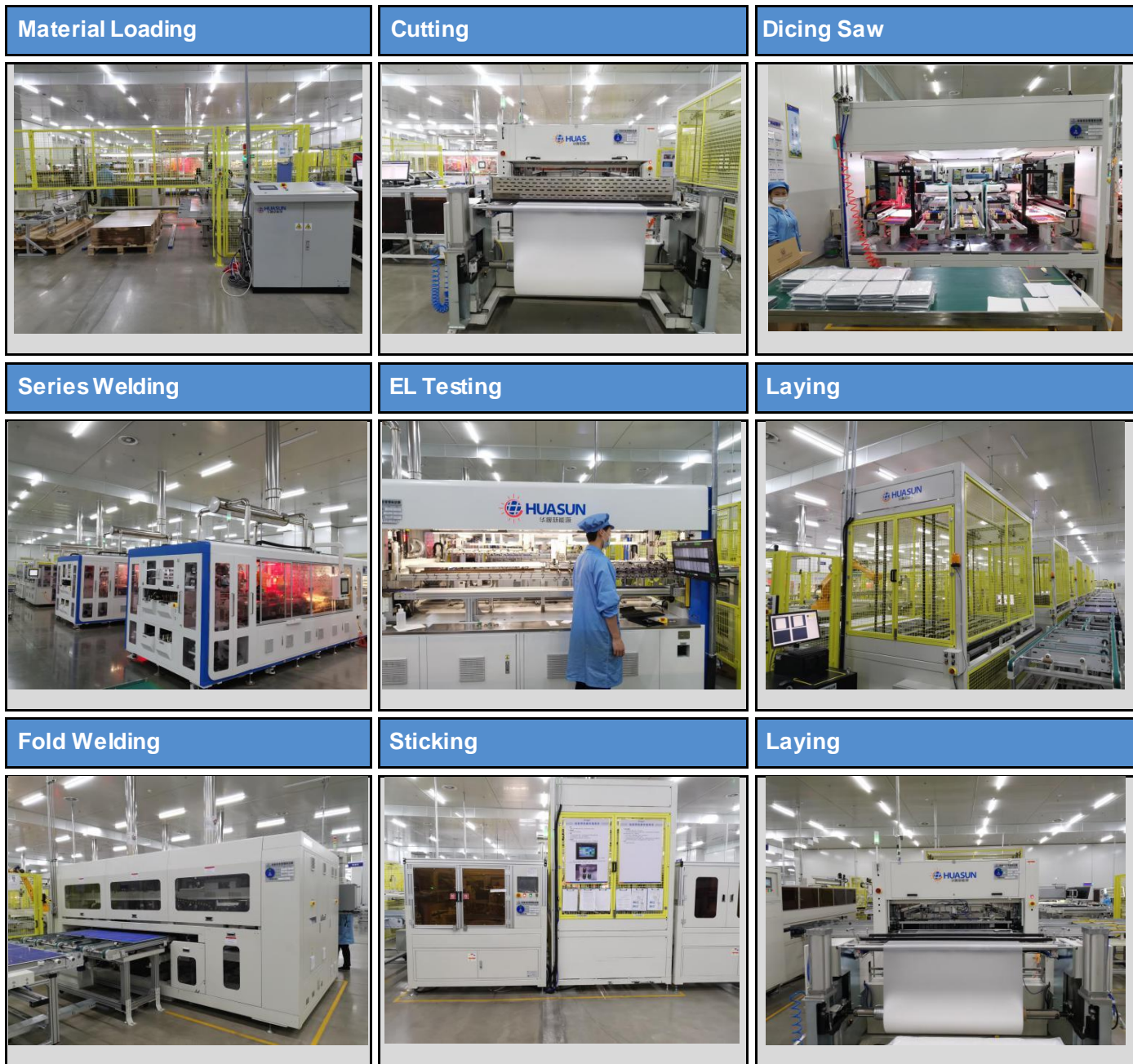
Automatic Edge Banding Machine	Laminating Machine	Auto Trimming Machine
		
Flip Check Machine	Frame Assembling Machine	Auto Welding Machine
		
Glue Filling Machine	Solidify Line	N/A
		N/A

Key Testing Machinery			
Machine Name	Brand & Model No.	Quantity	Condition
EL Testing Machine	EVR-J12	3	Acceptable
IV Testing Machine	DLSK-SOL9	1	Acceptable

Integrated Test Bench For Photovoltaic Safety Regulation Instruments	DJ-T3-06HTY	1	Acceptable
EL Testing Machine	EL-J12	1	Acceptable

EL Testing Machine (EVR-J12)	IV Testing Machin	Integrated Test Bench For Photovoltaic Safety Regulation Instruments
		
EL Testing Machine (EL-J12)	N/A	N/A
	N/A	N/A

Production Flow (Solar Panel)







R & D Capacity

Current Situation

There are 91 R&D engineers in the company.

Education Level	Headcount
Doctorate	4
Post-Graduate	17
Graduate	41
Junior College	25
Technical School	1
High School	3

Work Experience	Headcount
Over 30 Years	0
21-30 Years	5
11-20 Years	23
6-10 Years	21
2-5 Years	23
Less than 2 years	19

Brand Situation				
Registration/application No.	Brand Name	For Approval to Use Goods	Validity Date	Ref.
50873200	Refer to the photo	Renewable energy distribution	14/Feb./2022 - 13/Feb./2032	Photo in Section 39(Trademark Photo)

Patent Situation				
Patent No.	The Name of the Patent	The Patent Type	Available Date	Ref.
ZL 2020 2 3341518.1	A transmission and storage device	The patent for utility model	14/Sep./2021	Photo in Section 10(Patent Photo)
ZL 2020 2 3341395.1	A wire pressing mechanism, a welding pressing device and a series welding machine	The patent for utility model	01/Oct./2021	Photo in Section 10(Patent 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

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	TÜV SÜD	12 100 63190 TMS	Design, Manufacturing and Sales of Heterojunction Solar Photovoltaic Cells and Modules	7/Dec./2021 -- 6/Dec./2024
ISO14001:2015	TÜV SÜD	12 104 63190 TMS	Design, Manufacturing and Sales of Photovoltaic Heterojunction Cells and Modules	7/Dec./2021 -- 6/Dec./2024
ISO45001:2018	TÜV SÜD	12 117 63190 TMS	Design, Manufacturing and Sales of Heterojunction Solar Photovoltaic Cells and Modules	7/Dec./2021 -- 6/Dec./2024

Product Certification				
Certification	Certified By	Certificate No.	Product Name & Model No.	Expiry Date
CQC	CQC	CQC21024304865	Mono-crystalline Silicon Heterojunction Photovoltaic (PV) Module	17/Mar./2022
CQC	CQC	CQC21024304866	Mono-crystalline Silicon Heterojunction Photovoltaic (PV) Module	18/Mar./2022

MCS	TÜV SÜD	BABT 8800 RO	Production of Photovoltaic Solar Panels	25/Mar./2022
CE	TÜV SÜD	N8A 110450 0002	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules Mono-crystalline Silicon Hetero-junction Photovoltaic (PV) Modules	13/Nov./2021

Test Report

Test Report	Certified By	Product Name & Model No.	Expiry Date
Test Report	Huayang Testing	Crystalline silicon photovoltaic module for ground use	7/Jan./2022

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 _2_ 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 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 type="checkbox"/> Yes	<input checked="" 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

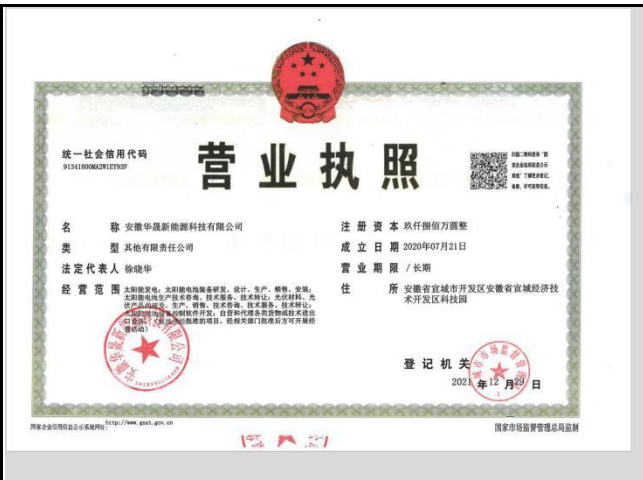
Development / Expansion Plans

Company Development / Expansion Plans	
Company Development Action	Timeframe
Build a leading enterprise in the high-efficiency photovoltaic heterojunction industry: 16gw+ capacity, 20billion + revenue	5 Years

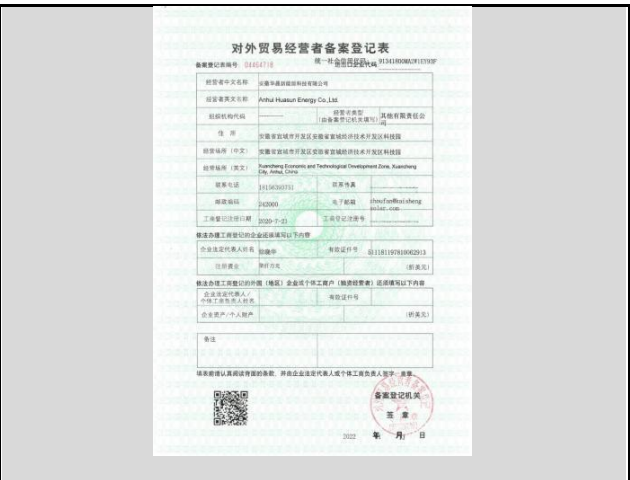
Certification & Photos

Certification

Business License



Export License



Trademark



Certificate Photo -- ISO9001:2015



Certificate Photo-ISO14001:2015



Certificate Photo -- ISO45001:2018



Certificate Photo -- Patent 1



Certificate Photo -- Patent 2



Certificate Photo -- CE Certificate



Certificate Photo -- CQC Certificate



Certificate Photo -- CQC Certificate



Certificate Photo -- MCS Certificate



Company Gate



Office


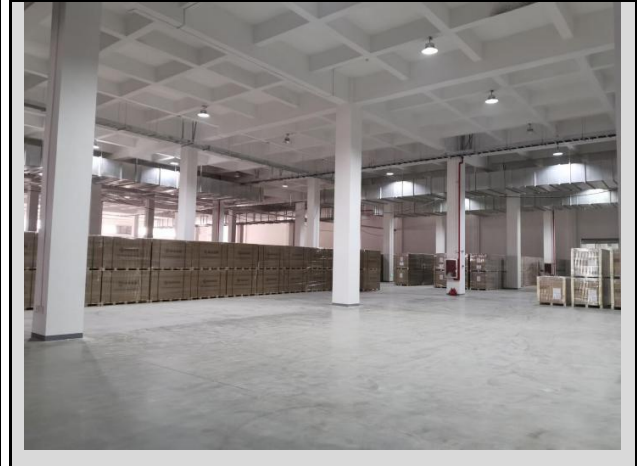




Workshop



Show Room



Warehouse	Warehouse
	
Product Photo	Product Photo
	

-- The END --