

### **ENF Solar Assessed Supplier**

Assessment Report Presented to:

Wuxi Sunket New Energy Technology Co., Ltd. 无锡萨科特新能源科技有限公司

Service Commissioned by:



Service Provided by:



October 24, 2023

Report Number: <<C159ENF20230901>> Report Date: 08/Oct./2023 Expiry Date: 07/Oct./2025 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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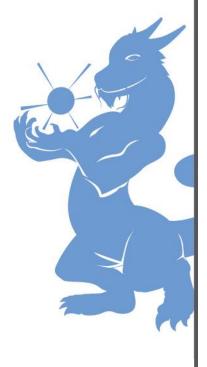
The objective of validating supplier information is to provide additional confidence to buyers so that they know the information has been verified by an independent third party.

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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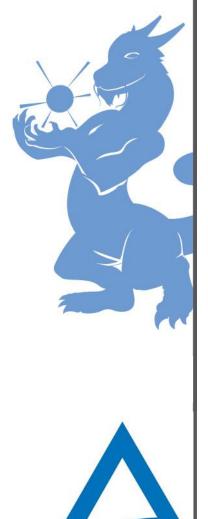
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# **Audit Overview**

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# **Company Overview**

Identification	Details			
Company Name	Wuxi Sunket New Energy Technology Co., Ltd.			
	Factory: No. 888, Qinghong Road, Ehu Town, Xishan District, Wuxi City, Jiangsu Province, China Office: 17th Floor, Jizhi Plaza, No. 19, Erquan East Road, Xishan District, Wuxi City, Jiangsu Province, China			
Facility address	Contact Person :	Mr. J	esse Xia	
	Tel:	0086-	-13921995698	
	Fax:	N/A		
	E-mail: sales@sunket.cn			
URL/Web Address	http://www.sunket.cn			
Report Date	08/Oct./2023			
Expiry Date (24 months validity)	08/Oct./2023 07/Oct./2025			
Name of Assessor	Arnold Ying			
Overall Turnover of Last Year	RMB 624, 548, 75	9		
Total Building Size	7,360 m <sup>2</sup>			
Number of Buildings	8			
Office Size	686 m <sup>2</sup>			
Working Day	Mon. to Sat.     Working Hours     08:00 11:00; 12:00 17:00			

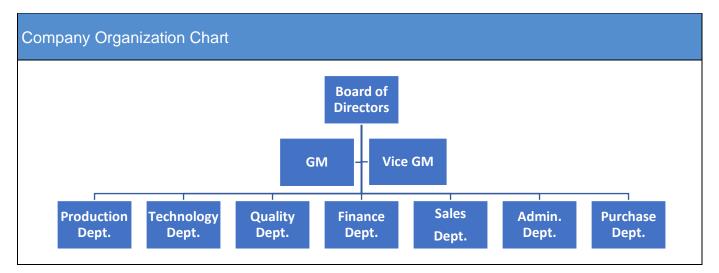




# Legal Entity

Legal Entity				
Business License Number	913202050518580586			
Year Established	16/Aug./2012     Validity Period:     16/Aug./2012 31/Dec./2049			
Registered Address		No.888, Qinghong Road, Ehu Town, Xishan District, Wuxi City, Jiangsu Province, China (inside Delin Enterprise)		
Company Address	Factory: No. 888, Qinghong Road, Ehu Town, Xishan District, Wuxi City, Jiangsu Province, China Office: 17th Floor, Jizhi Plaza, No. 19, Erquan East Road, Xishan District, Wuxi City, Jiangsu Province, China			
Registered Capital	RMB 10,000,000			
Corporate Representative	Mr. Wenxiang Cai			
Industry	Research and Experimental Development			
Products /Service	Solar Panel, Storage System			
Business Type	Manufacturer Trading Company Combined			
Turne of Ourpership	Private Owner Dublic Company Joint V		Joint Venture	
Type of Ownership	Stated Owned	🗌 So	le Proprietorship	Other

### **Human Resources**







Department Name	Full Time Employee(s)	Part-Time Employee(s)	Total
Board of Directors	10	0	10
GM	1	0	1
Vice GM	8	0	8
Production Dept.	150	0	150
Technology Dept.	10	0	10
Quality Dept.	20	0	20
Finance Dept.	9	0	9
Sales Dept.	46	0	46
Admin. Dept.	12	0	12
Purchase Dept.	5	0	5
Totals	271	0	271

# **Export Business Capacity**

### **Current Export Situation**

There are 15 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		Japanese	Yes	Yes
11-20 Years	4		German	Yes	Yes
6-10 Years	8		Spanish	Yes	Yes
2-5 Years	3		N/A	N/A	N/A
Less than 2 years	0		N/A	N/A	N/A
			X Yes		
oes the company have a valid export license?		e?		Registration No.:	🗌 No





Trade Agents Employed Overseas	☐ Yes ⊠ No		🖾 No	
Nearest Port	Shanghai Port			
Accepted Payment Terms	🖾 FOB	CIF	🖾 EXW	🖾 CFR
Assented Developet Turner	⊠ L/C	🖂 Т/Т	⊠ Credit Card	🛛 Cash
Accepted Payment Types	⊠ West Union	☐ Money Gram	🛛 Paypal	Money booker
Average lead time from product order confirmation to production delivery (products exiting the company)	15-20 Days	•		

#### Market Distribution (Previous 12 Months) Market Main Product(s) **Total Revenue (%)** North America Solar Panel, Storage System 3 South America Solar Panel, Storage System 5 Solar Panel, Storage System Eastern Europe 5 Southeast Asia Solar Panel, Storage System 10 Africa Solar Panel, Storage System 10 5 Oceania Solar Panel, Storage System 5 Middle East Solar Panel, Storage System Eastern Asia Solar Panel, Storage System 3 Western Europe Solar Panel, Storage System 15 2 Central America Solar Panel, Storage System Northern Europe Solar Panel, Storage System 5 Southern Europe Solar Panel, Storage System 5

Solar Panel, Storage System

South Asia





2

Domestic Market Solar Panel, Storage System	25
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# **Product Capabilities**

Production Capacity		
Product Name	Production Line Capacity (Monthly)	Actual Units Produced (Previous Year)
Solar Panel	417 MWp/Month	5,000 MWp
Storage System	83 MWp/Month	1,000 MWp

Production Machinery			
Key Machine Name	Brand & Model No.	Quantity	Condition
Solar Panel & Solar Cells Laser Cutting Machine	奥特维 & LTS100C	2	Acceptable
Solar Panel & Automatic Glass Machine	双百 & DB100-BL02	4	Acceptable
Solar Panel & Films Cutting And Lay-up Machine	双百 & DB100-EVA20	4	Acceptable
Solar Panel & Automatic Stringer	奥特维 & AM050E、MS100B	6	Acceptable
Solar Panel & Automatic Lay-up Machine	双百 & DB100-EVA20	4	Acceptable
Solar Panel & Lay-up Stringer	双百 & DB100-NZF	2	Acceptable
Solar Panel & Automatic String Taping Machine	双百 & DB100-WJD-01A	1	Acceptable
Solar Panel & Laminating Machine	硕谷 & SGCY-S2778	2	Acceptable
Solar Panel & Framing Machine	双百 & DB100-ZKJ02A	2	Acceptable
Solar Panel & Silicone Filling Machine	双百 & DB100-EJAB10	2	Acceptable
Solar Panel & Solidification	双百 & DB100-GH02、DB100- ZQ02	2	Acceptable
Solar Panel & Packing Machine	No Information	2	Acceptable
Storage System & Industrial Dust Collector	汇乐 & VJFCB-EF-5.5	1	Acceptable
Storage System & Laser Cooling Equipment	JPG & YLS-6000-U-K	2	Acceptable





Storage System & Laser Welding Machine	No Information	2	Acceptable
Storage System & Loading Robot	No Information	2	Acceptable
Storage System & Stacking Robot	No Information	2	Acceptable
Storage System & EOL Char Discharger	鼎源电器 & DEVT-120-50- 120KW-24CH-Z	3	Acceptable













### Key Testing Machinery

Machine Name	Brand & Model No.	Quantity	Condition
Solar Panel & Single String Cells EL Tester	ASIC & StrEL	1	Acceptable
Solar Panel & Appearance and EL Tester	双百 & DB100-90QC	1	Acceptable
Solar Panel & Appearance Checker	双百 & DB100-90QC	2	Acceptable
Solar Panel & Hi-pot Tester	双百 & YD9860G	1	Acceptable
Solar Panel & IV Flashing Simulator	和光智能 & SX-MX2615	1	Acceptable
Solar Panel & Final EL Tester	沛德 & EV-J12	1	Acceptable
Storage System & OVC Tester	HIOKI & BT3561A	2	Acceptable
Storage System & Insulation Tester	美瑞克电子 & RK9910	2	Acceptable
Storage System & EOL Tester	No Information	3	Acceptable











### **Production Flow (Solar Panel)**













#### Production Flow (Storage System)



## **R & D Capacity**

**Current Situation** 





There are 10 R&D engineers in the company.

Education Level	Headcount
Doctorate	0
Post-Graduate	2
Graduate	5
Junior College	3
Technical School	0
High School	0

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

#### **Brand Situation**

Registration/application No.			Validity Date	Ref.	
11405223	Trademark graphics	Class 9	21/Feb./2014 20/Feb./2024	Photo in Page 26(Trademark 1)	
11405258	萨科特	Class 9	21/Feb./2014 20/Feb./2024	Photo in Page 26(Trademark 2)	

Patent Situation				
Patent No.	The Name of the Patent	The Patent Type	Available Date	Ref.
ZL 2020 2 2379411. X	An automatic RV testing device for photovoltaic modules	Utility Model	18/May/2021	Photo in Page 26(Patent 1)
ZL 2020 2 2371829. 6	A fully automatic photovoltaic module production line	Utility Model	09/Jul./2021	Photo in Page 26 (Patent 2)
ZL 2020 2 2376249. 6	An automatic discharge inspection platform of a high speed welding machine for solar cells	Utility Model	09/Jul./2021	Photo in Page 27(Patent 3)
ZL 2022 2 1403738. 9	An outer frame assembly device for processing photovoltaic modules	Utility Model	29/Nov./2022	Photo in Page 27(Patent 4)
ZL 2022 2 1403734. 0	An efficient conveying equipment for processing photovoltaic panels	Utility Model	27/Sep./2022	Photo in Page 27(Patent 5)





Does the company provide OEM/ODM service for others?	⊠ Yes	🗌 No
Are there relevant design input/output, review, and verification documents available for the assessed company?	🛛 Yes	🗌 No
Based on inspection, are R&D employees equipped with adequate specialized equipment?	⊠ Yes	🗌 No
Do R&D employees use any specific software for designing new products?	⊠ Yes	□ 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		
ISO 9001	Beijing Hengbiao Quality Certification Co., Ltd.	06723Q20467R1M	Solar photovoltaic module research and development, manufacturing	05/Jun./2023 27/May/2026		
ISO 14001	Beijing Hengbiao Quality Certification Co., Ltd.	06723E20228R1M	Wuxi Sunket New Energy Technology Co., Ltd., located at No. 888 Qinghong Road, Ehu Town, Xishan District, Wuxi City, Jiangsu Province (within the company), is engaged in the R & D and manufacturing of solar photovoltaic modules and related environmental management activities	05/Jun./2023 27/May/2026		





ISO 45001	Beijing Hengbiao Quality Certification Co., Ltd.	06721S30394R0M	R & D and manufacturing of solar photovoltaic modules and Related Occupational Health Safety Management Activities by Wuxi Sunket New Energy Technology Co., Ltd. Located at 888#, DELIN INDUSTRY PARK, QINGHONG ROAD, E'HU TOWN, WUXI JANGSU P.R.C	17/Sep./2021 16/Sep./2024
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Certification	Certified By	Certificate No.	Product Name & Model No.	Expiry Date
CE	TUV SUD	N8A 116477 0005 Rev. 00	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules Mono-Crystalline Silicon Photovoltaic module & SKTxxxM10-144S1, xxx=545- 580, in steps of 5, SKTxxxM10-144S3, xxx=545- 580, in steps of 5, SKTxxxM10-132S1, xxx=500- 530, in steps of 5, SKTxxxM10-120S1, xxx=455- 480, in steps of 5, SKTxxxM10-120S3, xxx=455- 480, in steps of 5, SKTxxxM10-108S1, xxx=410- 435, in steps of 5, SKTxxxM10-108S3, xxx=410- 435, in steps of 5, SKTxxxM10-60S1, xxx=230- 240, in steps of 5, SKTxxxM10-36S1, xxx=180- 190, in steps of 5, SKTxxxM10-36S1, xxx=135- 145, in steps of 5, SKTxxxM10-24S1, xxx=90- 100, in steps of 5, SKTxxxM10-24S1, xxx=90- 100, in steps of 5, SKTxxxM10-24S1, xxx=45- 50, in steps of 5, SKTxxxM10- 72S1, xxx=275-290, in steps of 5, SKTxxxM10-64S1, xxx=250-255, in steps of 5, SKTxxxM10-64S1, xxx=150- 160, in steps of 5, SKTxxxM10-40S1, xxx=120- 125, in steps of 5, SKTxxxM10-32S1, xxx=120- 125, in steps of 5, SKTxxxM10-16S1, xxx=60xxx is standing for rated output	10/May/2023 Long-term



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			power at STC	
CQC	CQC	CQC23024404515	pv module see appendix	13/Sep./2023 Long-term
MCS	TUV SUD	BABT 8865 R0	Photovoltaic Solar Panels	01/Aug./2023— 31/Jul./2026
RoHS	MTL	MTL23022401901R02 MTL23022401901R02 MTL23022401901R02 MTL23022401901R02 MTL23022401901R02 MTL23022401901R02 (xxx=555-800),SKTxxxM10 (xxx=300-650),xxSKTxxxM10 (xxx=40-295),SKTxxxM6 (xxx=325-500)		Long-term
CSA	CSA GROUP	80097185	CLASS 5311 10-POWER SUPPLIES-Photovoltaic Modules and PanelsCLASS 5311 90- POWER SUPPLIES - Photovoltaic Modules and Panels-Certified to U.S. Standards	09/Sep./2021 Long-term
TUV	TUV SUD	Z2 116477 0009 Rev. 00	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules Mono-Crystalline Silicon Photovoltaic module & SKTxxxM10-144S1, xxx=545- 580, in steps of 5, SKTxxxM10-144S3, xxx=545- 580, in steps of 5, SKTxxxM10-132S1, xxx=500- 530, in steps of 5, SKTxxxM10-132S3, xxx=500- 530, in steps of 5, SKTxxxM10-120S1, xxx=455- 480, in steps of 5, SKTxxxM10-120S3, xxx=455- 480, in steps of 5, SKTxxxM10-108S1, xxx=410- 435, in steps of 5, SKTxxxM10-108S3, xxx=410- 435, in steps of 5, SKTxxxM10-108S1, xxx=230- 240, in steps of 5, SKTxxxM10-60S1, xxx=180- 190, in steps of 5, SKTxxxM10-24S1, xxx=180- 190, in steps of 5, SKTxxxM10-24S1, xxx=90- 100, in steps of 5, SKTxxxM10-24S1, xxx=45- 50, in steps of 5, SKTxxxM10- 72S1, xxx=275-290, in steps of 5, SKTxxxM10-64S1, xxx=250-255, in steps of 5, SKTxxxM10-56S1, xxx=215- 220, in steps of 5,	14/Jun./2023 09/Mar./2028





			SKTxxxM10-40S1, xxx=150- 160, in steps of 5, SKTxxxM10-32S1, xxx=120- 125, in steps of 5, SKTxxxM10-16S1, xxx=60 xxx is standing for rated output power at STC	
SGS	SGS	SHES220600972601PVC	PHOTOVOLTAIC MODULE & CRY450M6 (SKT450M6)CRY550M10 (SKT550M10)	07/Jun./2022 Long-term
UL	UL	E532205	PHOTOVOLTAIC MODULES AND PANELS WITH SYSTEM VOLTAGE RATINGS OVER 600 VOLTS See Addendum Page for Product Designation(s)	12/Jun./2023 Long-term
RETIE	GRUPO VTEK S.A.S	N° E5-0630-2021	Panel solar fotovoltaico	17/Aug./2023 17/Aug./2024
Italian Fire Rating Certification	LAPI	Photovoltaic panel & SKT410M10 (182mm, 108 cells)	PANNELLO FOTOVOLTAICO	14/Mar./2023 Long-term





Test Report			
Test Report	Certified By	Product Name & Model No.	Expiry Date
TEST REPORT	CQC	Rechargeable lithium battery pack & LFP9- 30kWh/HV	10/Apr./2023 09/Apr./2024

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

Supplier Management				
Content		Observations	s / Comments	
Does the company have a supplier assessment procedure?	🖾 Yes			🗌 No
Does the company establish and implement a standard procedure for purchasing contract review and approval?	Yes, with written standard procedures	Yes, with written procedure but lack of consistent standard		□ No





Does the company keep its supplier assessment reports?	Yes, Keep for3_ years available			🗌 No
Are the company's purchasing documents sufficient to ensure product safety control and their customers' requirements?	Yes, the purchasing document includes all the information required	Yes, however the purchasing document includes incomplete information		□ No
Is there a procedure to conduct random product inspections after final packaging?	Yes, with clear standard and written inspection records	Yes, with inspection records but no procedures	Yes, with procedures but no inspection records	☐ 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?	standard feedback form	Yes, with a standard feedback form but no records	records but no standard	□ No
Are there any clear procedures for handling customer complaints?	Yes, with clear procedures and written records	Yes, with clear procedures but no written records	Yes, with written records but no clear procedures	🗌 No
Does the company have the SOP (Standard Operation Procedure) for after-sales service? Does the company provide after-sales consulting services?	⊠ Yes			□ No
Does the company implement the provisions of the National Three Warrantees (warrantee for repair/replacement /return) for their products?	⊠ Yes		🗌 No	





# **Corporate Social Responsibility**

Child Labour & Forced Labor			
Content	Observations / Comments		
Is it clarified that there's no child labor in the company?	🛛 Yes	□ No	
Does the company have an explicit job management program, and take corresponding measures to check the age of the employees?	⊠ Yes	□ No	
Are the staff clearly aware of the terms of labour contract, regulations of the company and the right of free employment?	🛛 Yes	□ No	
Have the staff been forced to work overtime? Will they be fined or fired if they refuse to?	☐ Yes	🖾 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?	⊠ Yes	□ 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?	⊠ Yes	□ 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.)	⊠ Yes	□ 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?	☐ Yes	No (No regular fire drill was conducted by the factory)	
Does the company have the approval report issued by the local Fire Bureau?	⊠ Yes	□ No	
Does the company provide sufficient first aid equipment? Are first-aid kits and trained first-aiders available in each workplace?	☐ Yes	No (No qualified first aider available in workshop)	





Does the company provide clean lavatories, separating men's and ladies'?	⊠ Yes	□ No
Does the company provide clean drinking water to the staff? Is there unrestricted access to the drinking water?	⊠ Yes	□ No

## **Development / Expansion Plans**

Company Development / Expansion Plans		
Company Development Action	Timeframe	
The organization is going to develop the new overseas market.	12 Months	

### **Certification & Photos**



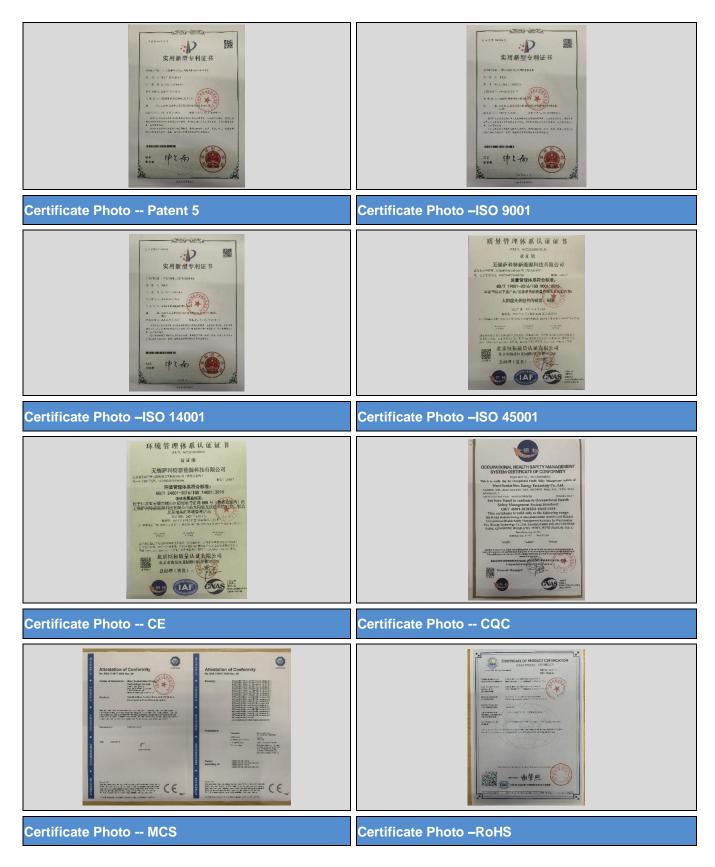






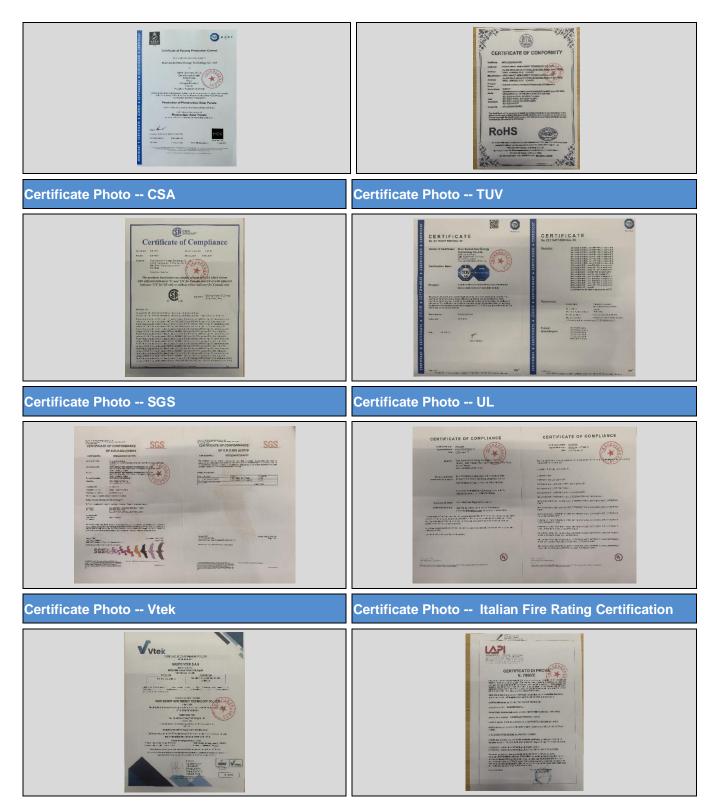






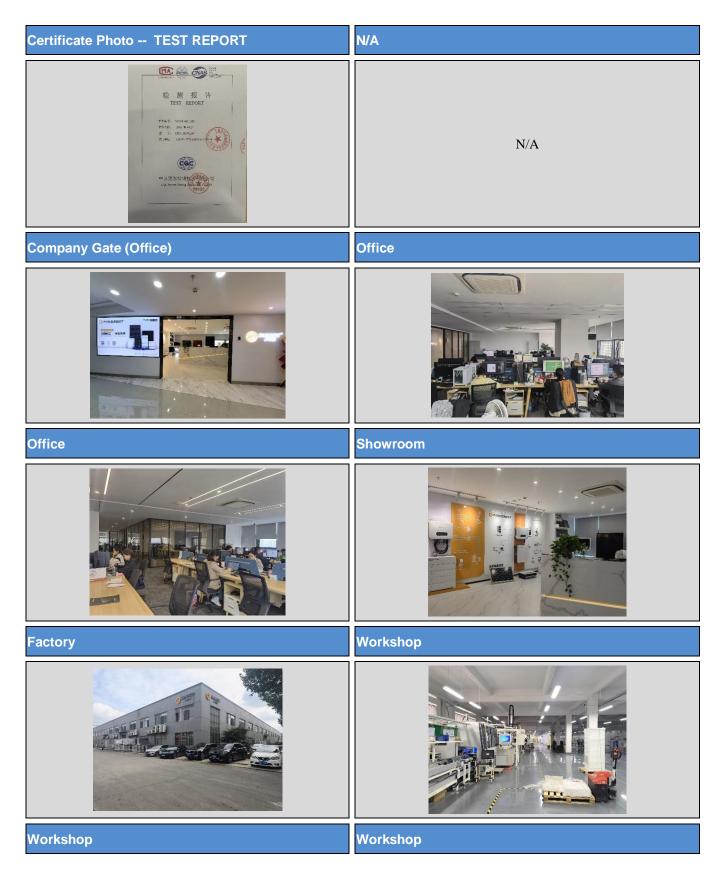


















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