

ENF Solar Assessed Supplier

Assessment Report Presented to:

Jiangyin Titanergy Co., Ltd.
江阴市泰坦光伏材料有限公司

Service Commissioned by:



Service Provided by:



January 22, 2019

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Expiry Date: 17/Jan./2021

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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Audit Overview

Company Overview	4
Legal Entity	5
Human Resources	5
Export Business Capacity	6
Product Capabilities	8
R & D Capacity.....	10
Management Systems & Quality Control Management.....	11
Corporate Social Responsibility	14
Development / Expansion Plans	15
Certification & Photos.....	15

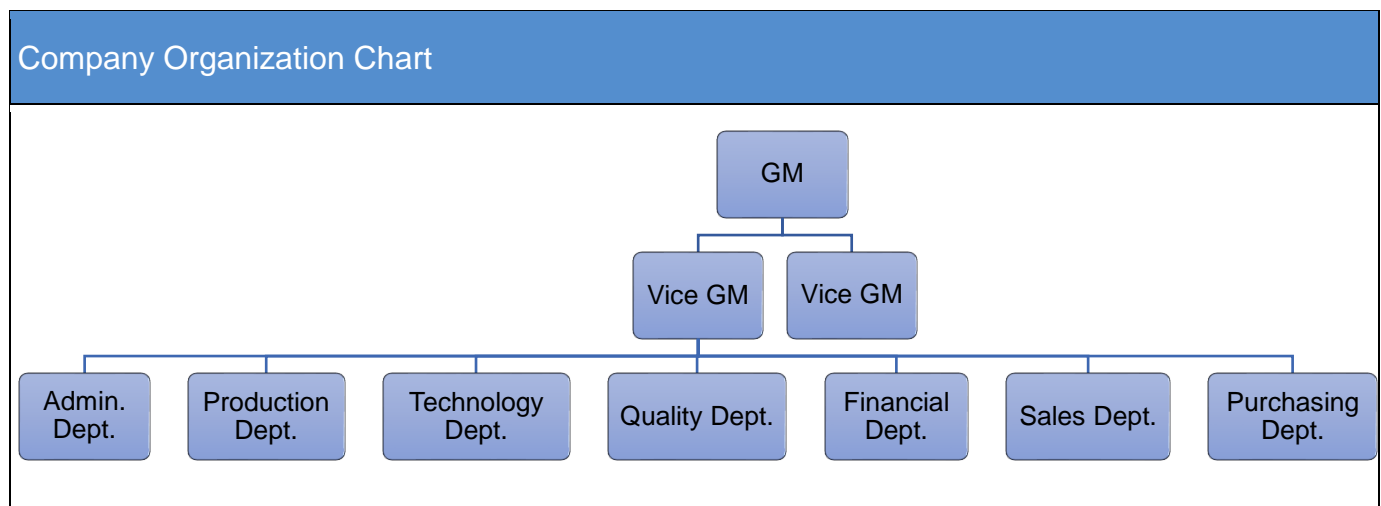
Company Overview

Identification	Details		
CompanyName	Jiangyin Titanergy Co., Ltd.		
Facility address	No.11,Wuxiang Road, Yunting Street, Jiangyin City, Wuxi City, Jiangsu Province, China		
	Contact Person :	Mr. Bin Xu	
	Tel:	0086-0510-86610879	
	Fax:	0086-0510-86610877	
	E-mail:	info@titanergy.com	
URL/Web Address	www.titanergy.com		
Report Date	18/Jan./2019		
Expiry Date (24 months validity)	18/Jan./2019 -- 17/Jan./2021		
Name of Assessor	Jesse Wang		
Overall Turnover of Last Year	Confidential		
Total Building Size	13,849m ²		
Number of Buildings	3		
Office Size	2,000m ²		
Working Day	Mon. to Sat.	Working Hours	08:00 -- 11:00
			12:00 -- 16:30

Legal Entity

Legal Entity			
Business License Number	9132028108770363X7		
Year Established	13/Mar./2014	Validity Period:	13/Mar./2014 -- 12/Mar./2034
Registered Address	No.400,Chengyang Road, Yunting Street, Jiangyin City, Wuxi City, Jiangsu Province, China		
Company Address	No.11,Wuxiang Road, Yunting Street, Jiangyin City, Wuxi City, Jiangsu Province, China		
Registered Capital	RMB10,000,000		
Corporate Representative	Mr. Bin Xu		
Industry	Solar Energy Products		
Products /Service	Solar 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	1	0	1
VGM	2	0	2
Admin. Dept.	2	0	2
Production Dept.	31	0	31
Technology Dept.	2	0	2
Quality Dept.	3	0	3
Financial Dept.	3	0	3
Sales Dept.	9	0	9
Purchasing Dept.	3	0	3
Totals	56	0	56

Export Business Capacity

Current Export Situation																																							
There are 4 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>21-30Years</td> <td>0</td> </tr> <tr> <td>11-20 Years</td> <td>0</td> </tr> <tr> <td>6-10 Years</td> <td>0</td> </tr> <tr> <td>2-5 Years</td> <td>4</td> </tr> <tr> <td>Less than 2 years</td> <td>0</td> </tr> </tbody> </table>		Working Experience	Headcount	Over 30 Years	0	21-30Years	0	11-20 Years	0	6-10 Years	0	2-5 Years	4	Less than 2 years	0	<table border="1"> <thead> <tr> <th>Accepted Language</th> <th>Listening & Speaking</th> <th>Reading & Writing</th> </tr> </thead> <tbody> <tr> <td>English</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> <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	N/A	N/A	N/A	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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Does the company have a valid export license?		<input checked="" type="checkbox"/> Yes Export License Registration No.: <u>02248169</u>		<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 type="checkbox"/> Credit Card	<input type="checkbox"/> Cash
	<input type="checkbox"/> West Union	<input type="checkbox"/> MoneyGram	<input type="checkbox"/> Paypal	<input type="checkbox"/> Moneybooker
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	N/A	0
Eastern Europe	N/A	0
Southeast Asia	Solar Mounting System	10
Africa	N/A	0
Oceania	N/A	0
Middle East	N/A	0
Eastern Asia	N/A	0
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	Solar Mounting System	90

Product Capabilities

Production Capacity		
Product Name	Production Line Capacity (Monthly)	Actual Units Produced (Previous Year)
Solar Mounting System	50 MW	600 MW






Production Machinery			
Key Machine Name	Brand & Model No.	Quantity	Condition
Cutting Machine	No Information	6	Acceptable
Punching Machine	J23-10T/J23-16T	11	Acceptable
Open Back Press With Fixed Bed	JF21-63	6	Acceptable
Cold Formed Steel Production Line	No Information	1	Acceptable
Assembly Line	No Information	1	Acceptable

Cutting Machine	Punching Machine	Open Back Press With Fixed Bed
		
Cold Formed Steel Production Line	Assembly Line	N/A
		N/A

Key Testing Machinery			
Machine Name	Brand & Model No.	Quantity	Condition
N/A	N/A	N/A	N/A

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

Production Flow

1: Cutting	2: Punching	3: Assembling
		
4: Packing	5: Warehousing	N/A
		N/A

R & D Capacity

Current Situation			
There are 2 R&D engineers in the company.			
Education Level		Headcount	
Doctorate	0		
Post-Graduate	0		
Graduate	1		
Junior College	1		
Technical School	0		
High School	0		
Work Experience		Headcount	
Over 30 Years	0		
21-30 Years	0		
11-20 Years	0		
6-10 Years	2		
2-5 Years	0		
Less than 2 years	0		

Brand Situation				
Registration/application No.	Brand Name	For Approval to Use Goods	Validity Date	Ref.
20280159A	Refer to the Photo	Aluminous Model Board; Metal Building Materials; Metal Door Frame; Metal Frame.	14/Sep./2017 -- 13/Sep./2027	Photo in Section 6 (TrademarkPhotos)

Patent Situation				
Patent No.	The Name of the Patent	The Patent Type	Available Date	Ref.
ZL 2016 2 0350856.6	Solar Photovoltaic Bracket	The patent for utility model	28/Sep./2016	Refer to photo (Patent Certificate)
ZL 2016 2 0350849.6	A Rear Foot for Solar Photovoltaic Support	The patent for utility model	28/Sep./2016	Refer to photo (Patent Certificate)
ZL 2017 2 0182169.2	Photovoltaic Bracket L-leg Set Module	The patent for utility model	13/Oct./2017	Refer to photo (Patent Certificate)
ZL 2016 2 0337069.8	Photovoltaic Panel Clamp for Color Steel Tile Roofing	The patent for utility model	28/Sep./2016	Refer to photo (Patent Certificate)
Does the company provide OEM/ODM service for others?			<input type="checkbox"/> Yes	<input checked="" 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 type="checkbox"/> Yes	<input checked="" 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	N/A

Management Systems & Quality Control Management

Quality Management System Certification				
Certification	Certified By	Certificate No.	Business Scope	Expiry Date
ISO9001:2015	BZCC,IAF	10116Q17217R0S	Manufacturing, Processing and Sales of Aluminium Frame and Photovoltaic Support for Solar Cells (Except for the Mandatory Requirements of Laws and Regulations).	30/May/2018 -- 17/May/2019

Product Certification				
Certification	Certified By	Certificate No.	Product Name & Model No.	Expiry Date
UL	UL	20160429-E479241	Mounting System, Mounting Devices, Clamping Devices and Ground Lugs for Use With Photovoltaic Modules and Panels & TT-ADJUSTABLE TILT LEGS,TT-KLIPIK,TT-ROOF HOOK	29/Apr./2016 --

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 type="checkbox"/> Total line	<input checked="" 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 _1_ 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 type="checkbox"/> Yes, with clear standard and written inspection records	<input checked="" 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 type="checkbox"/> Yes, with a standard feedback form and records	<input checked="" 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 type="checkbox"/> Yes, with clear procedures and written records	<input type="checkbox"/> Yes, with clear procedures but no written records	<input checked="" 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 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 type="checkbox"/> Yes	<input checked="" 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 type="checkbox"/> Yes	<input checked="" 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
The organization is going to develop the new overseas market.	12 Months

Certification & Photos

Certification

Business License	Tax Registration Certificate

Permit for Opening Bank Account



Organization Code Certificate



Certificate Photo--Import and Export Enterprise Registration



Certificate Photo -- Custom Clearance Registration Form



Certificate Photo--Trademark 1



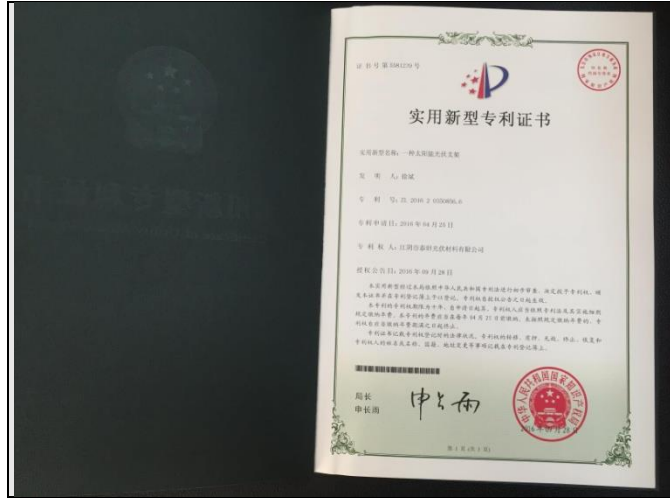
Certificate Photo--ISO9001:2015Certificate



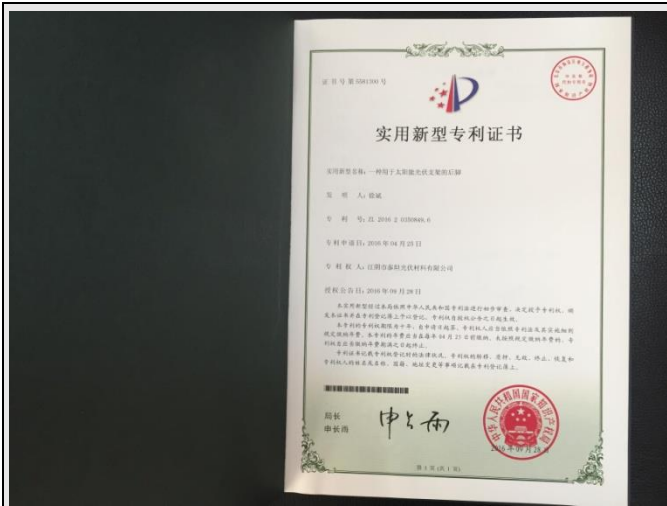
Certificate Photo -- UL Certificate



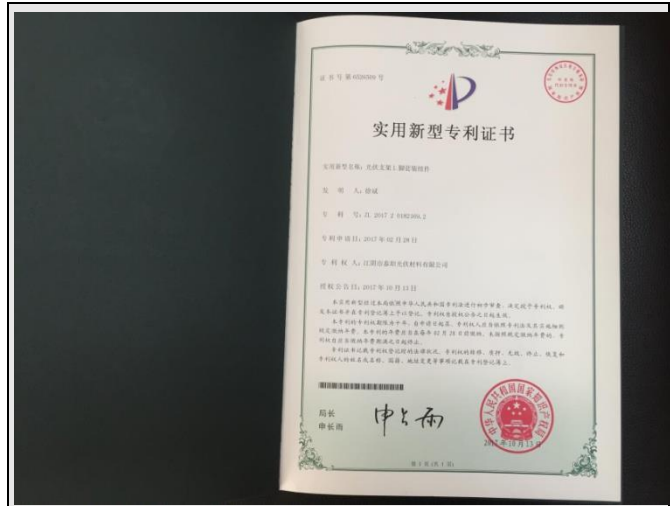
Certificate Photo -- Patent Certificate 1



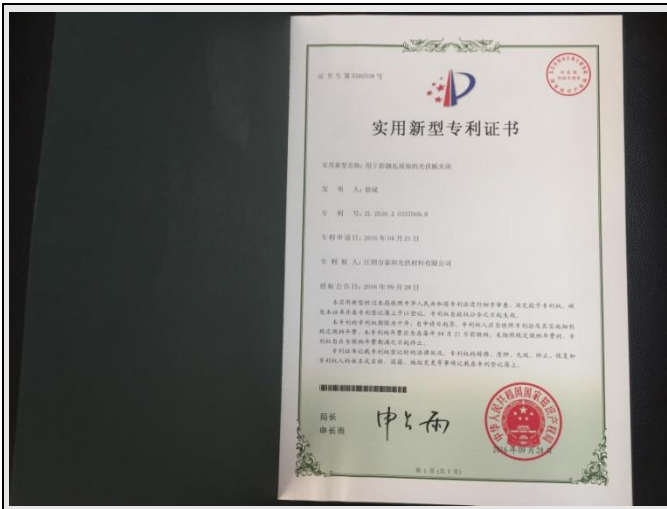
Certificate Photo -- Patent Certificate 2



Certificate Photo -- Patent Certificate 3



Certificate Photo -- Patent Certificate 4



Certificate Photo -- Honors Certificate 1



Certificate Photo – Honors Certificate 2



Certificate Photo – Honors Certificate 3



Company Gate



Office



Workshop



Workshop



Warehouse



Warehouse



Product Photo



Product Photo



Product Photo



Product Photo



Product Photo



Product Photo



-- The END --