

ENF Solar Assessed Supplier

Assessment Report Presented to:

Xiamen Huge Energy Technology Co., Ltd.
厦门友巨新能源科技有限公司

Service Commissioned by:



Service Provided by:



September 24, 2020

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Expiry Date: 17/Sep./2022

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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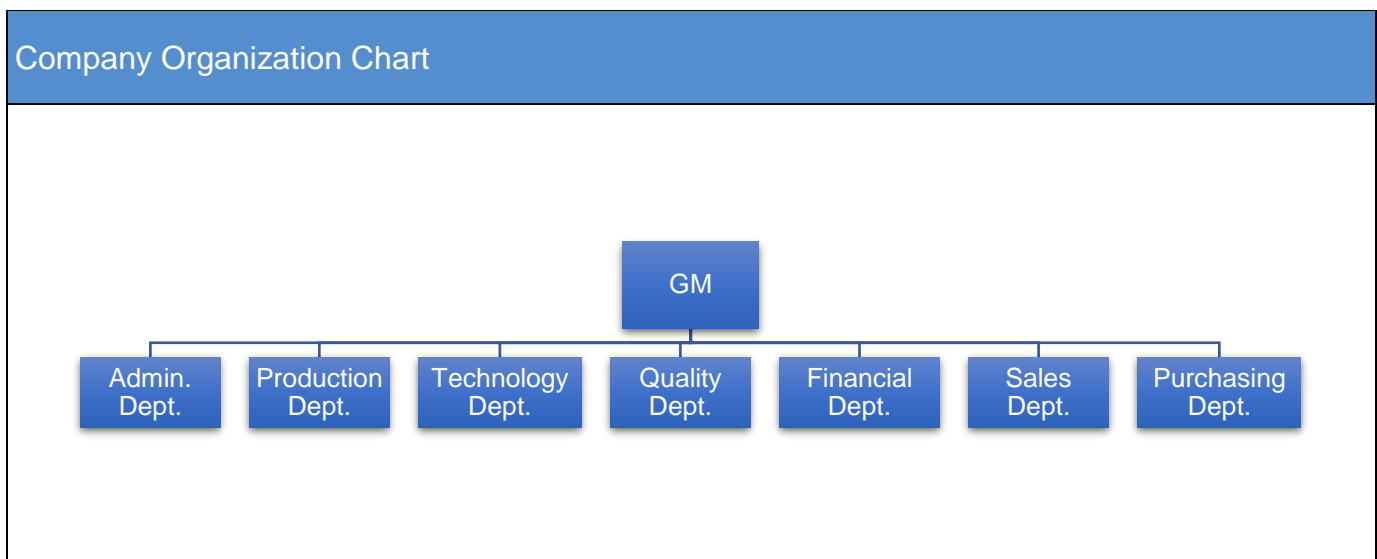
Company Overview

Identification	Details		
Company Name	Xiamen Huge Energy Technology Co., Ltd.		
Facility address	Block B, 1st Floor and Block A, 2nd Floor, No. 6 Songlin Road, Guankou Town, Jimei District, Xiamen City, Fujian Province, China		
	Contact Person:	Ms. Lynn Lau	
	Tel:	0086-15959239471	
	Fax:	0086-592-5631973	
	E-mail:	lynn@hugergy.com	
URL/Web Address	http://www.hugergy.com/		
Report Date	18/Sep./2020		
Expiry Date (24 months validity)	17/Sep./2022		
Name of Assessor	Merlin Li		
Overall Turnover of Last Year	Confidential		
Total Building Size	4,110 Square Meter		
Number of Buildings	1		
Office Size	600 Square Meter		
Working Day	Monday to Friday	Working Hours	am: 09:00 – 12:00 pm: 13:00 – 17:30

Legal Entity

Legal Entity			
Business License Number	91350211065852714Y		
Year Established	07/Apr./2013	Validity Period:	07/Apr./2013 – 06/Apr./2033
Registered Address	Block A, 2nd Floor, No. 6 Songlin Road, Guankou Town, Jimei District, Xiamen City, Fujian Province, China		
Company Address	Block B, 1st Floor and Block A, 2nd Floor, No. 6 Songlin Road, Guankou Town, Jimei District, Xiamen City, Fujian Province, China		
Registered Capital	RMB 20,000,000		
Corporate Representative	Mr. Hongze Lai		
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 Office	6	0	6
Admin. Dept.	3	0	3
Production Dept.	60	0	60
Technology Dept.	11	0	11
Quality Dept.	3	0	3
Financial Dept.	3	0	3
Sales Dept.	13	0	13
Purchasing Dept.	3	0	3
Totals	102	0	102

Export Business Capacity

Current Export Situation																																						
There are 10 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>1</td> </tr> <tr> <td>6-10 Years</td> <td>7</td> </tr> <tr> <td>2-5 Years</td> <td>2</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	1	6-10 Years	7	2-5 Years	2	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>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
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Does the company have a valid export license?		<input checked="" type="checkbox"/> Yes Export License Registration No.:02900081																																				
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)	10 days			

Market Distribution (Previous 12 Months)		
Market	Main Product(s)	Total Revenue (%)
North America	Solar Mounting System	1
South America	Solar Mounting System	1
Eastern Europe	Solar Mounting System	1
Southeast Asia	Solar Mounting System	2
Africa	Solar Mounting System	1
Oceania	Solar Mounting System	1
Middle East	Solar Mounting System	1
Eastern Asia	Solar Mounting System	80
Western Europe	Solar Mounting System	1
Central America	Solar Mounting System	1
Northern Europe	Solar Mounting System	1
Southern Europe	Solar Mounting System	1
South Asia	Solar Mounting System	1
Domestic Market	Solar Mounting System	7

Product Capabilities

Production Capacity		
Product Name	Production Line Capacity (Monthly)	Actual Units Produced (Previous Year)
Solar Mounting System	40MWp per Month	Confidential

Production Machinery			
Key Machine Name	Brand & Model No.	Quantity	Condition
Solar Mounting System Sawing Machine	Confidential	1	Acceptable
Solar Mounting System Punching Machine	Confidential	9	Acceptable
Solar Mounting System Drilling Machine	Confidential	6	Acceptable
Solar Mounting System Automatic Tapping Machine	Confidential	1	Acceptable
Solar Mounting System Tapping Machine	Confidential	2	Acceptable

<p>Solar Mounting System Sawing Machine</p>	<p>Solar Mounting System Punching Machine</p>	<p>Solar Mounting System Drilling Machine</p>
		
<p>Solar Mounting System Automatic Tapping Machine</p>	<p>Solar Mounting System Tapping Machine</p>	<p>N/A</p>
		<p>N/A</p>

Key Testing Machinery			
Machine Name	Brand & Model No.	Quantity	Condition
Solar Mounting System Tension Tester	Confidential	1	Acceptable
Solar Mounting System Push Testing Machine	Confidential	1	Acceptable
Solar Mounting System Destructive Testing Machine	Confidential	1	Acceptable

Solar Mounting System
Tension Tester



Solar Mounting System
Push Testing Machine



Solar Mounting System
Destructive Testing Machine

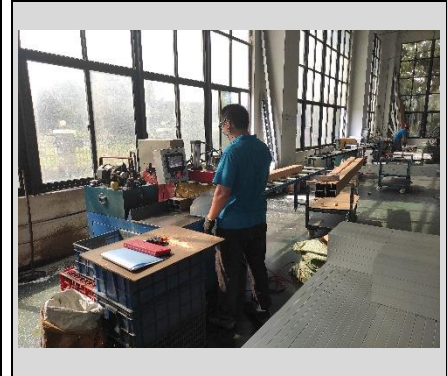


Production Flow (Solar Mounting System)

Raw Materials



Sawing



Punching



Drilling



Assembling & Inspection



Packaging



R & D Capacity

Current Situation

There are 11 R&D engineers in the company.

Education Level	Headcount
Doctorate	0
Post-Graduate	0
Graduate	2
Junior College	9
Technical School	0
High School	0

Work Experience	Headcount
Over 30 Years	0
21-30 Years	0
11-20 Years	1
6-10 Years	7
2-5 Years	3
Less than 2 years	0

Brand Situation

Registration/application No.	Brand Name	For Approval to Use Goods	Validity Date	Ref.
32475389	Refer to the picture	Class 42	07/Jun./2019 – 06/Jun./2029	Refer to the picture
32481976	Refer to the picture	Class 9	21/Jun./2019 – 20/Jun./2029	Refer to the picture
32475838	Refer to the picture	Class 6	21/Jun./2019 – 20/Jun./2029	Refer to the picture

Patent Situation

Patent No.	The Name of the Patent	The Patent Type	Available Date	Ref.
ZL201720331816.1	A Triangle support structure	The patent for utility model	05/Dec./2017	Refer to the picture
ZL201720331090.1	A quick assembly structure	The patent for utility model	05/Dec./2017	Refer to the picture
ZL201820455218.X	A quick assembly structure	The patent for utility model	02/Nov./2018	Refer to the picture
ZL201720580327.X	A support rail structure	The patent for utility model	11/May/2018	Refer to the picture
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

Push Testing Machine	Tension Test Machine	Torsion Testing Machine
		

Management Systems & Quality Control Management

Quality Management System Certification

Certification	Certified By	Certificate No.	Business Scope	Expiry Date
ISO9001:2015 Certificate	TUV SUD	TUV100043521	Design and Manufacturing of Metal Solar Stents	19/May/2020 – 10/Jul./2022
ISO45001:2018 Certificate	Zhongjian Certification Co., Ltd.	0070019S52172R0S	The Relative management activities of design and assembly of metal solar support	30/Nov./2019 – 29/Nov./2022
ISO14001:2015 Certificate	Zhongjian Certification Co., Ltd.	0070019E52368R0S	The Relative management activities of design and assembly of metal solar support	30/Nov./2019 – 29/Nov./2022

Product Certification

Certification	Certified By	Certificate No.	Product Name & Model No.	Expiry Date
AS1170.2 Certificate	DOME	LTR/11075/A/3/AV	Huge Terrace Ground Mount System	28/May/2013 -- Longterm

Test Report			
Test Report	Certified By	Product Name & Model No.	Expiry Date
Test Report	SGS	Steel Tube Connection	10/Apr./2020
Test Report	SGS	Steel Tube Connection	10/Apr./2020

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 _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 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 checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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
Increase domestic and foreign offices and global market development	In 2020

Certification & Photos

Certification

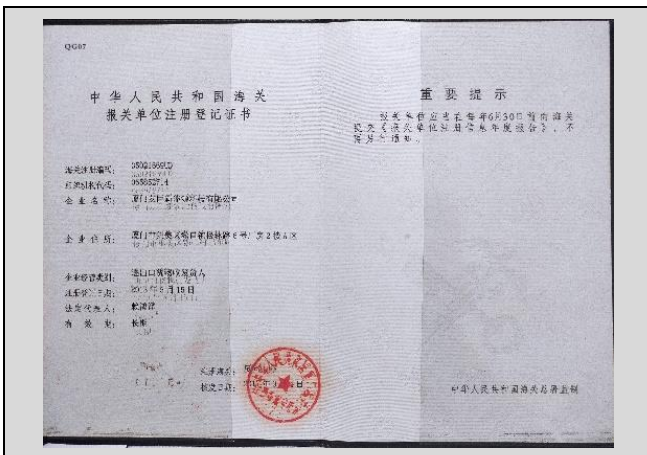
Business License



Permit for Opening Bank Account



Certificate Photo -- Custom Clearance Registration Form



Certificate Photo -- Trademark



Certificate Photo -- Trademark

Certificate Photo -- Trademark



Certificate Photo -- Patent 1



Certificate Photo -- Patent 2



Certificate Photo -- Patent 3



Certificate Photo -- ISO9001:2015



Certificate Photo -- ISO45001:2018



Certificate Photo -- ISO14001:2015



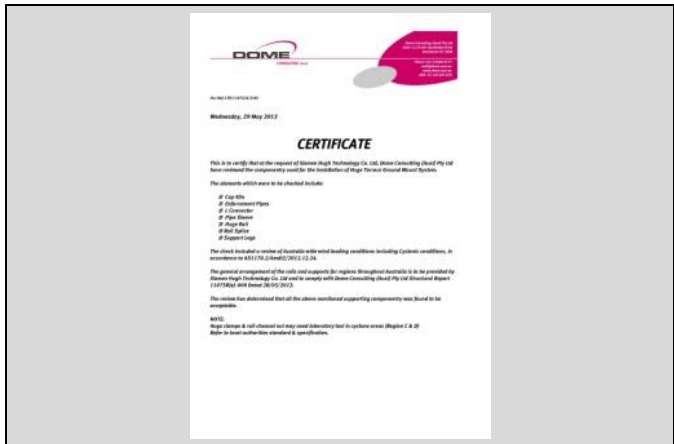
Certificate Photo – Customs Clearance Registration Certificate



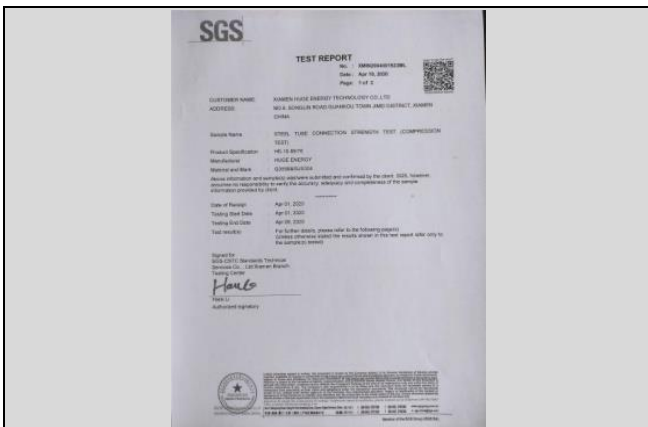
Certificate Photo – Product Certificate



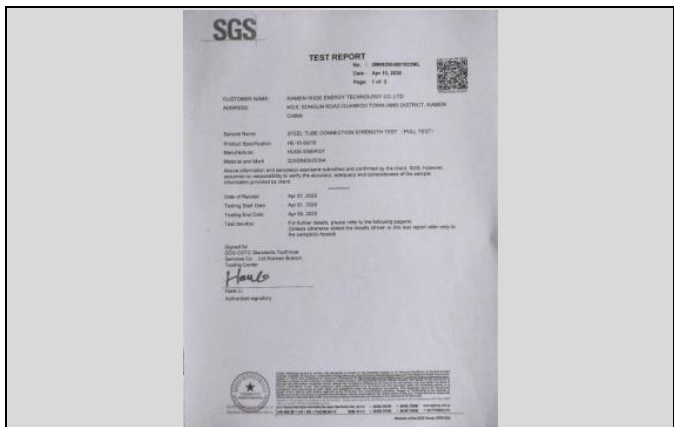
Certificate Photo – Test Report



Certificate Photo -- Test Report



Company Gate



Office



Workshop



Workshop



Warehouse



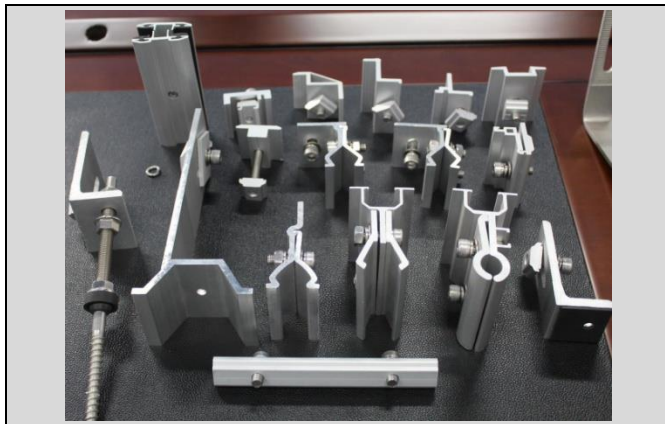
Display



Product Photo



Product Photo



Product Photo

Product Photo



-- The END --