

ELM SOIAR  
ENERGY CO.,LTD

**ELM SOLAR**

YOUR BEST PV SUPPLIER

YOUR BEST PV SUPPLIER / May 2021



# CORE VALUES / **ELMSOLAR**

Innovation, perfection  
and value creation

## Corporate Philosophy

Honest service, Reform for Energy

## Our Vision

To become the promoter and leader of  
renewable energy

# ELM SOLAR CORPORATION

ELM Solar was founded in 2006. Its predecessor is an energy business trading company. After years of accumulation and development, IRM group has grown into a multi field integrated company focusing on the design, production and sales of solar cells, solar photovoltaic modules and system applications.

ELM Solar has cooperation experience with a number of high-tech manufacturers, customers all over the world. Our products are exported to Europe, America and Southeast Asia. The company is committed to becoming a diversified, large-scale and international professional green energy service provider, providing one-stop services and solutions for global customers in the field of solar photovoltaic.

In the future, ELM Solar will adhere to the mission of "Integrate global resources, Share human civilization" and strive to become a world-class enter-prise through innovation and steady progression.

15

15 Years  
1978-2019

5

Installed capacity  
5GW

100

Export to 100+  
countries

40

40 famous partners  
in the world

5

Global Multi office  
warehouse

24

All day considerate  
service support



Design and construction of large commercial solar energy system



Energy (wind) household systems, Off-grid /Distributed power station



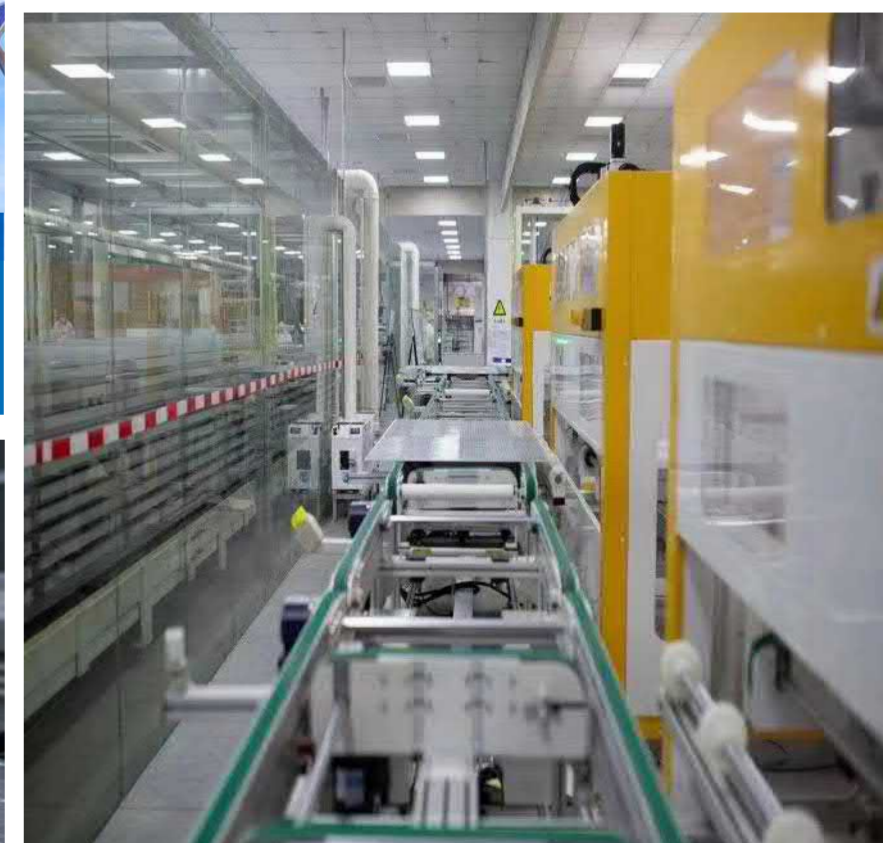
Urban planning 5g smart street lamp project



Stable and safe international freight transport guarantee



Professional engineer to guide construction



Modern engineering construction technology

# DEVELOPMENT & HISTORY

As a global solar new energy solution service provider,ELM group is actively embracing the new era. The company has been engaged in green energy business since 2006, lasting for 15 years

**2006**

Set up office in solar field

**2008**

Successful development of European and American markets

**2010**

Cooperate with 15 world famous solar energy suppliers

**2012**

Cooperation with Russian customers to win the title of best supplier of solar energy system

**2014**

Further deployment of sales market in Southeast Asia and India

**2016**

Start to provide overall solutions of energy system for global market

**2019**

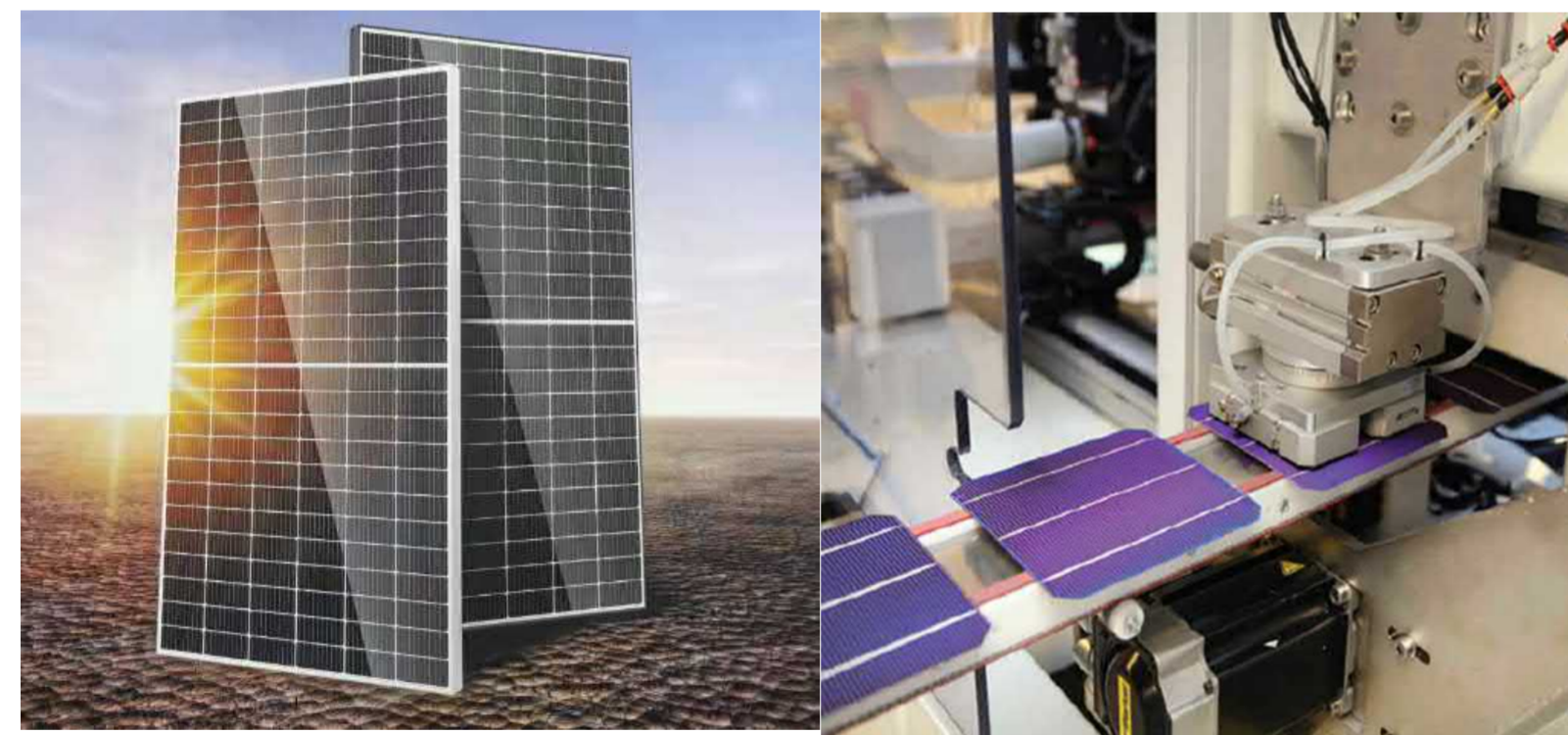
The company's business expanded to 5g energy smart business, including smart energy city

**2021**

ELM Group has more than 150 cooperative markets

# OUR FACTORY

ELM Solar is an international high-tech, growing new energy company specializing in R & D, production and sales of solar cells, modules and PV power generation systems. Our products have passed TUV, CE, CEC, Inmetro, fide and other international certification



We provide you the highest quality solar

Modern factory production line

Professional team to provide after-sales service

We offer a variety of solar solutions

ELM Solar integrates world-class manufacturing engineering and management systems

We have established an international management and technology R & D team composed of world-class management personnel and solar photovoltaic power generation experts.

We provide all-round integrated photovoltaic and solar solutions for home and business customers, and dream of reducing power cost by up to 98% for cooperative customers.

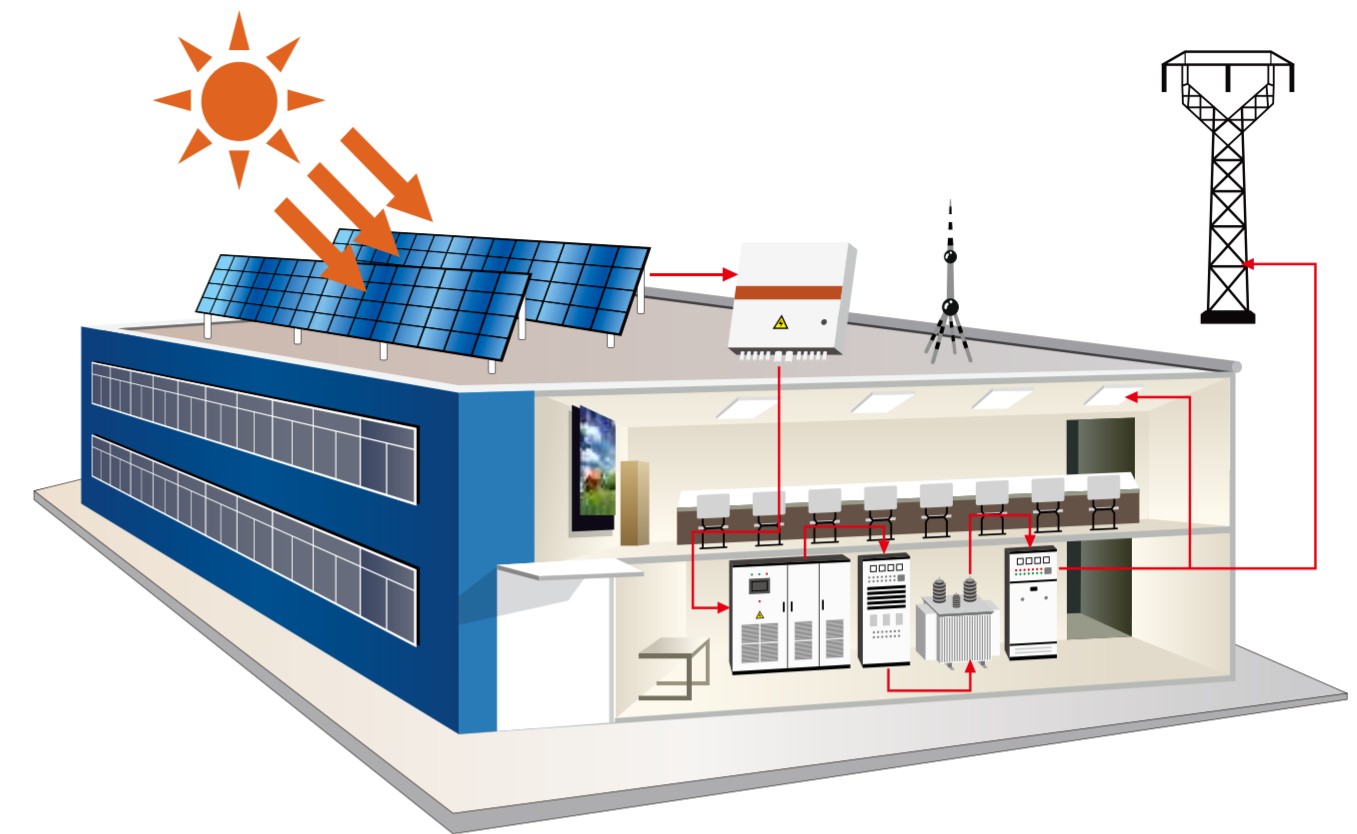
By choosing a solar system, you can declare your energy independence and contribute to the sustainable development of the earth!



# SALES MAP



# INDUSTRIAL & COMMERCIAL SOLAR POWER SOLUTIONS



ELM Solar is committed to providing one-stop comprehensive services including system configuration, technical solutions, equipment installation, operation and maintenance support and after-sales service for industrial enterprises, commercial enterprises, industrial parks, small businesses and other customers, providing reliable and efficient industrial and commercial distributed system solutions for customers, According to customers' requirements, we can customize our own complete solar system solution suite, including grid connected, off grid, hybrid, diesel and photovoltaic system solutions, to help customers establish a modern green energy system with energy saving and emission reduction, cost reduction and efficiency improvement.

## Commercial Solar System Services and Procedures



### Customer Consultation

Introduction of professional product knowledge  
Intimate explanation of system scheme



### System Design

To provide commercial solar system solutions suitable for customers' needs



### Specialized system configuration

Provide professional configuration of off grid, grid connected and mixed network system



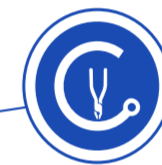
### Equipment Supply

Efficient solar system solutions, as well as components, batteries, inverters and other products supply



### Project Construction

High Grade Parts  
Professional Construction Teams



### After-sale Service

Provide 10 years of quality assurance, let you worry about after-sales

**According to the customer's needs to customize the system solution**  
ELM Solar can customize your own complete solar power system solution kit based on your requests.  
We provide grid-tied, off-grid, hybrid, diesel with PV system solutions.

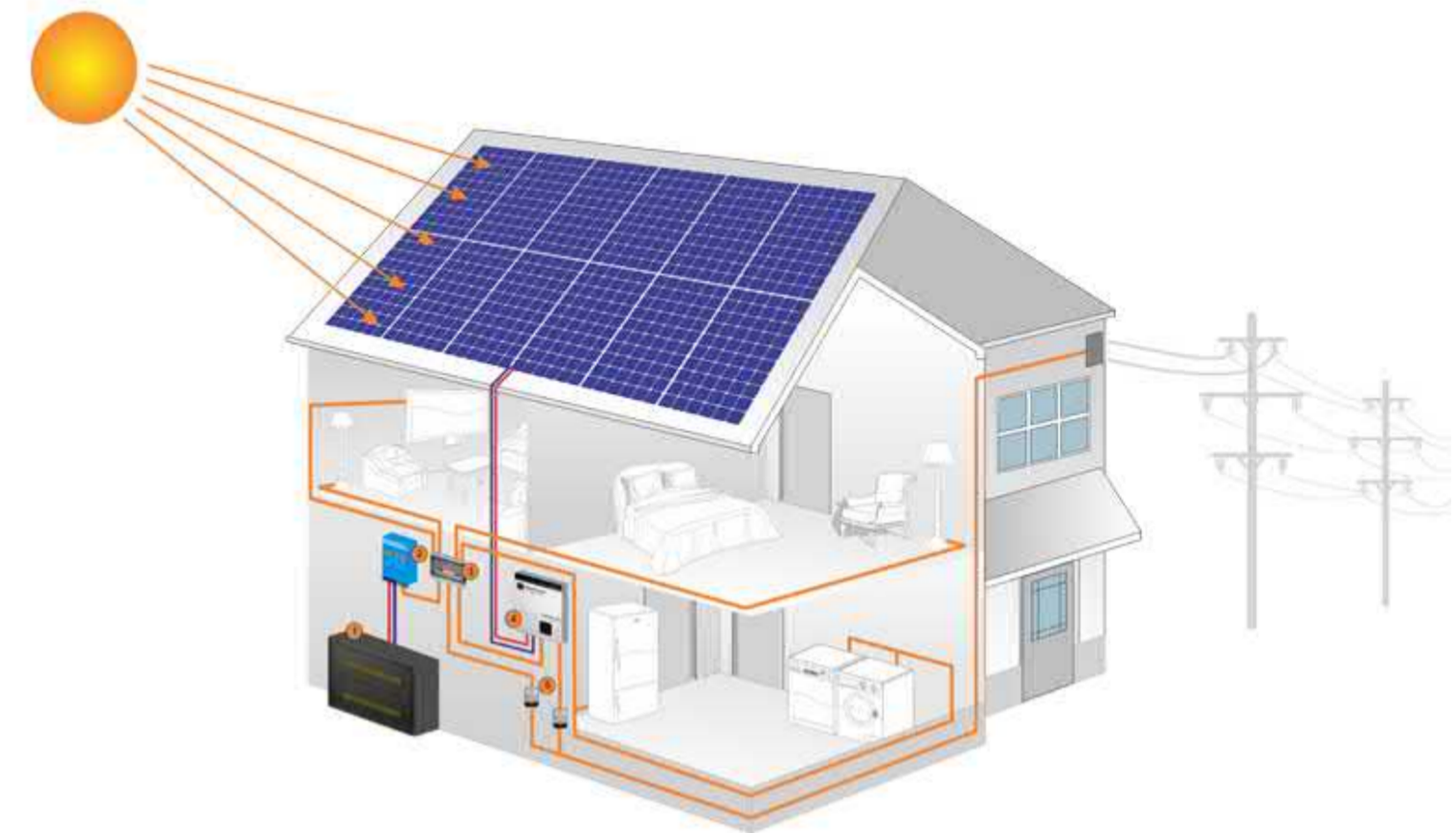
# RESIDENTIAL SOLAR POWER SOLUTION

ELM Solar has built a brand benchmark of domestic household solar power generation with the triple advantages of high-quality components, high standard service and high reliability guarantee. ELM products have been highly recognized by the international and domestic markets for 15 years. They have the strength guarantee of the central enterprise group, and provide users with intimate and safe use experience with high-quality comprehensive services.



## Grid-Tie with Lead Acid Battery Backup

### Examples



### High Quality Products

**Solar Module:** Excellent power conversion efficiency, withstand the harshest environment and the most durable service life.

**Inverter:** Ultra-low starting voltage, longer working time, higher efficiency and longer life.

**Connection Box:** Solid and secure.

**Mounting System:** High quality mounting system ensures solid support.

**Accessories:** high-quality products ensure high-quality system.

① Batteries in Battery Cabinet

② Inverter/Charger

③ DB Board

④ Solar Charge Controller

⑤ Grid-Tie Inverter

⑥ KW/h Input / Output Meters

### Professional Guarantee

Professional installation design guidance

High quality components factory

Up to 10 years of quality assurance

24-hour after-sales service

# 01

## CLASSIC CASES



Grid-tied Solar Power System

Hungary |3.6MW



### System components

6912pcs 166mm Half Cell 450W Solar panels  
48sets 60kw string solar inverter



### Customer feedback

ELM has helped us design a complete solar project professionally and has given us a lot of advice on installation





Rooftop Solar Project  
For Industrial Use

Thailand | 2MW

## CLASSIC CASES



### System components

3340pcs Poly 350W Solar panels  
18sets 60kw On Grid Center  
Inverters



### Customer feedback

Communication without any  
hassle. panels looking perfect! will  
come back for sure if need more

# 03

## CLASSIC CASES



### System components

1100pcs mono 450w solar panels, on-grid string solar inverters and complete mounting brackets



### Customer feedback

A very high quality solar panel order, we bought 1100 solar panels from Elm. The company is very active and professional in helping our team solve problems.



Solar Power Plant in 2010

Poland | 450KW





600KW On Grid Solar System in Australia

Australia | 600KW



**Flexible Modularization**

According to different ground conditions, the overall scheme with difference is designed, and then the overall scheme is decomposed into standard modular small unit scheme, and the construction is completed in the form of "building blocks".



**Superior Safety**

Combined with the high safety requirements of customers, the high safety equipment such as excellent fire performance components, non fuse design series inverter, dry-type transformer, and accurate and reliable monitoring system are selected to ensure the safety and reliability of the power station in its life cycle.



**Intelligent O&M Management**

The photovoltaic power station carries out 24-hour accurate data monitoring, timely finds out the problem equipment and cuts out the problem equipment, and analyzes according to the long-term accumulated data, so as to improve the power generation and predict the risk.



**System Components**

770PCS 260W Poly Solar Panel  
 This system is expected to offset a minimum of 856 tonnes CO2 per year

# GLOBAL PROJECTS REFERENCES



150KW | South Sudan



100KW | Thailand



35KW | Canada



3.8KW | Philippine



10KW | Panama



3KW | Samoa



48KW | Germany



20KW | Haiti



750KW | Cambodia

# CORPORATE SOCIAL RESPONSIBILITY

Through carrying on social responsibilities and practices, ELM Solar pushes sustainable develop-ment together with the society. We keep on progressing our business and services to promote social happiness and harmony and satisfy people's growing demand of living a better life.



## Corporate Environmental Performance



### Environmentally Friendly

Committed to being the protector of environment and friend of nature, we pursue the eco-friendly development approach and lifestyle.

### Value Creation

Committed to be the creator of value, we closely connect our company growth to field progression.

### Happiness and Harmony

Committed to being the depicor of happy life, we strive to bring to people more sense of gain.

### Healthy Growth

Committed to being the promoter of healthy economic growth, we adhere to the concept of quality development.





## ELM SOLAR

### Solar Solution Expert

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## **ELMSOLAR**

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