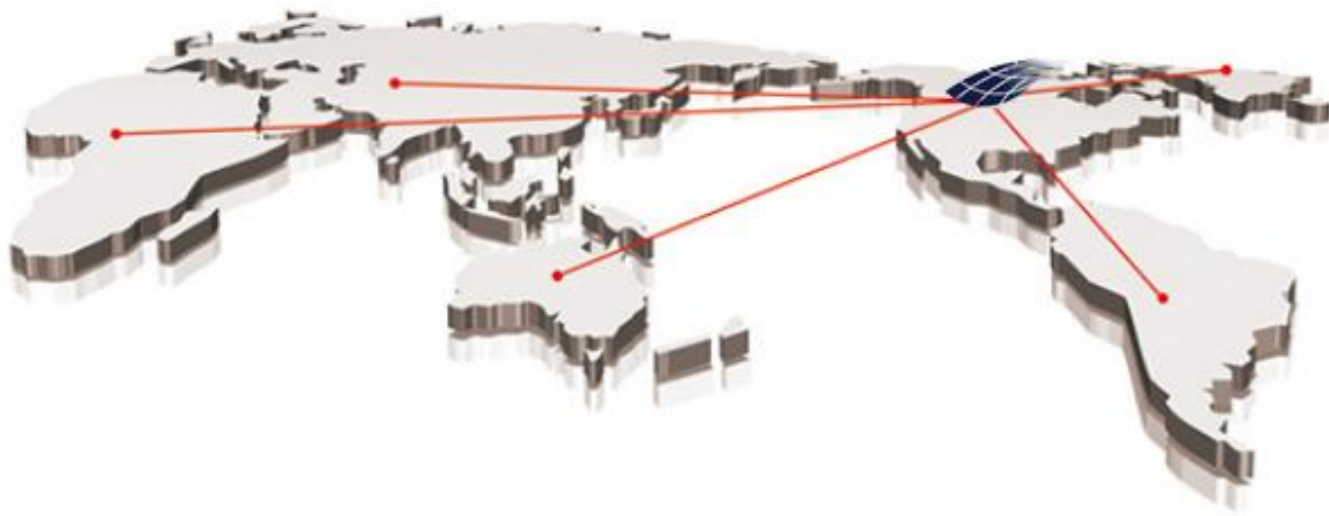


# Qingdao Power World Group Company Limited



Power World Power Your Life

# PWSOLAR



## Vision and Mission

To develop and enhance solar technology and provide the most reliable and affordable solar energy in global markets.

To gain complete control over a vertical-value-chain, from manufacturing materials and modules to providing solar technical services for solar systems and power plants.

To be a worldwide leader for PV technology.

To be a public company taking more social responsibilities.

# Index

**01** Company Introduction

**02** Products & Application

**03** System Solution

**04** Sales Management

**05** Classic Cases

**06** Quality Certifications

**07** Service & Support

**08** Contact Us

# PWSOLAR

01

## Company Introduction

Qingdao Power World Co., Ltd

Qingdao Power World Co., Ltd, established in October of 2006, is a Hi-tech company, a professional solar PV products manufacture and solar PV solution provider devoting to research, develop and produce solar PV modules and solar PV inverters. Group have three reputable brands: PWSOLAR, Amerisolar, Raytech are famous in the world.

We was registered with 5,000,000 RMB as capital, owns 18,000 squares of workshop on a plot of 20,000 square meters and keeps a staff more than 300 employees.

Relay on the advanced equipment and automatically producing line, we keeps annual capacity of 1GW solar modules and 500 Mega-watts of solar cells.

We insists being guided by advanced science and technology, equipped with state of art instruments and equipment, developed widely cooperation with China University of Science and Technology, Shanghai University of Industry and many other famous universities in industrial-academic-research, owns core technology and patents on solar PV module and solar inverters. Products of we passed certifications domestic and abroad such as CE, TUV, IEC, JET, INMETRO, ETL, UL, CEC, BIS, MCS and have been widely applied not only in domestic market but also exported to Europe, Southeast Asia, South America, Africa and Middle East.

We hold "Practicability, Endeavor and Innovation " as our philosophy, make improvement day by day to provide high quality products and services.



# PW SOLAR

**02**

## Products & Application

Qingdao Power World Co., Ltd

1 Polycrystalline silicon solar PV module, Monocrystalline silicon solar PV module, Cdte Thin Film Solar Panel & Double Glass Solar Panel etc.

2 Inverter, solar charge controller, solar PV power system, LED driver, solar charger inverter, etc.

3 Solar PV power solution: distributed power, off grid solar power system, solar street light system, solar power monitoring and management system, solar powered outdoor advertisement , solar PV green house, etc

4 Investment on solar PV power station



# 01. Products



# 02. A Glance of Producing Line

## Production lines

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--- Automatic Soldering ---



Laying



Laminating

IV testing



# 03. Testing

## Strict Quality Control

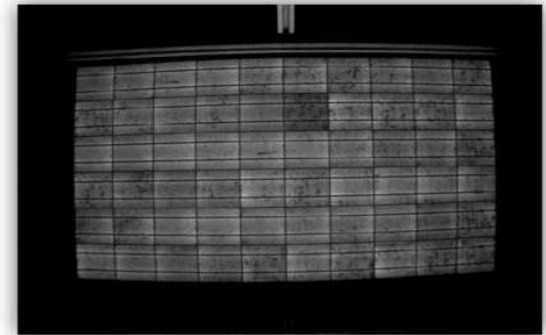
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**1<sup>st</sup> EL Test**



**2<sup>nd</sup> EL Test**



**EL Recording**



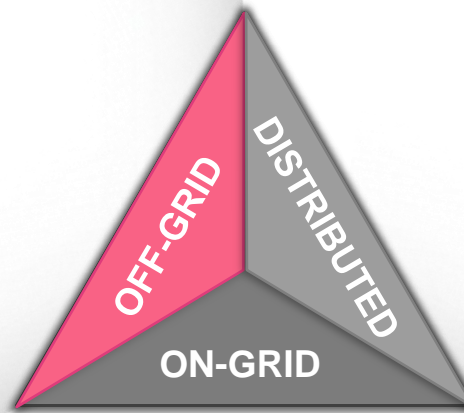
# 01. PV systems generate electricity Classification



1. Off-grid PV system.



3. Distributed PV systems.



2. The grid-connected photovoltaic power generation system.



## 02. Solar off-grid generator system



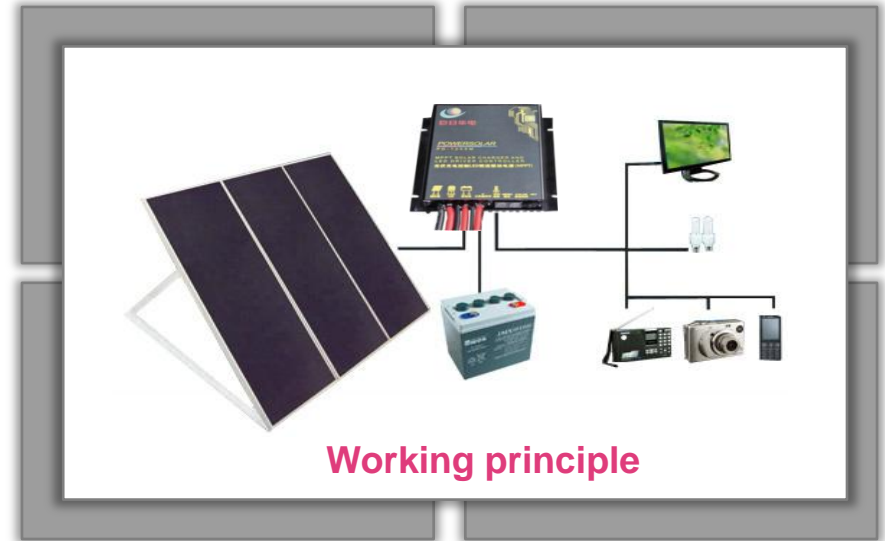
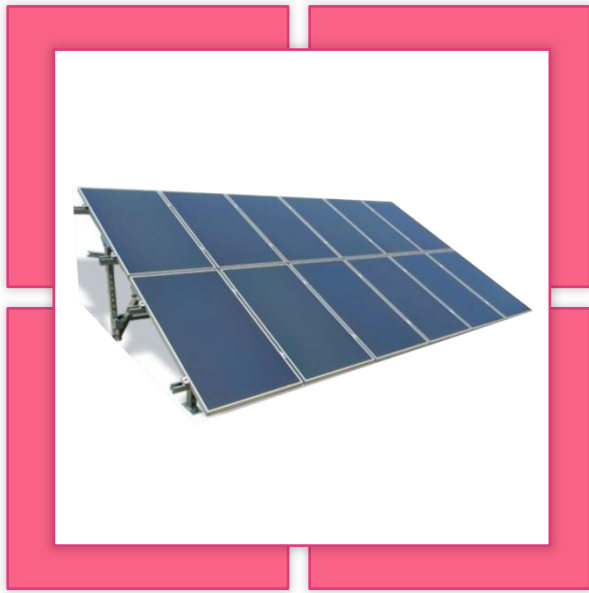
Solar street light.

A street scene featuring multiple solar street lights with solar panels mounted on the poles, illuminating the road.

# 03. Small off-grid system

## Features

Modular installation, flexible installation.  
System security and stability operations.  
Custom design, you can choose any day battery life.  
Maintenance-free batteries and long service life.



# 04. Small commercial photovoltaic systems

## Features.

Quick and easy installation.  
The modular design and flexible installation.  
Simple remote maintenance, real-time human-computer interaction.  
The system is stable and reliable.  
Leading thin-film modules, high-performance inverter.  
Reap the economic benefits of zero carbon emissions.

## Applications

Currently the home and small and medium commercial energy storage system includes four main areas:

01

1. apply to the global PV energy storage

02

2. Achieve peak load shifting.

03

3. Saving up to 70%

04

4. Promoting the intelligent urbanization direction



# 05. Household carport

Home carport systems are photovoltaic systems specifically designed for the average family carport.

1. Professional design

2. Structural safety and stability

3. Nice. Energy conservation.

4. Reducing vehicle  
Zhishai risk



Applications: Household carport

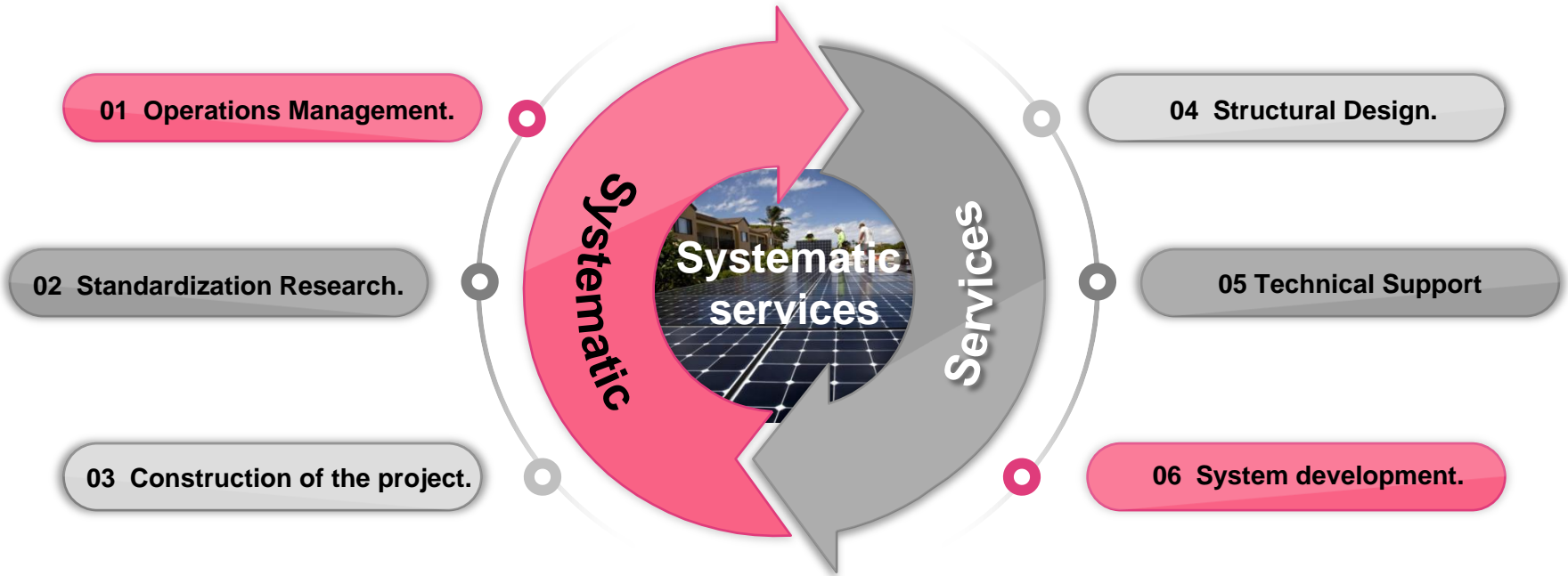
**Convenient**

**Fast**

**Flowing**

**Cbe recycled**

# 06. Building Integrated PV –BIPV (Double Glass Solar Panel)



Technology
<ul style="list-style-type: none"> <li>○ The world's leading power generation module</li> </ul>

Good building fit
<ul style="list-style-type: none"> <li>○ High temperature</li> <li>○ corrosion resistant</li> <li>○ Fire resistant and strong</li> </ul>

Systems integration capabilities
<ul style="list-style-type: none"> <li>● Design</li> <li>● Consulting</li> <li>● Research and development</li> </ul>

Qualification
<ul style="list-style-type: none"> <li>● TUV, UL, MCS</li> <li>● CE</li> <li>● ISO9001</li> <li>● CQC</li> </ul>

Good cooperation mechanism
<ul style="list-style-type: none"> <li>● Quality</li> <li>● Integrity</li> <li>● Efficiency</li> <li>● Price</li> </ul>

# 07. Cdte Thin Film Solar Module



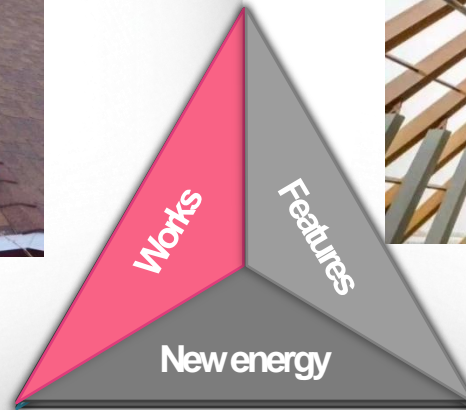
## **Works.**

High conversion efficiency and high stability



## **Features.**

Color is uniform and beautiful intergated in building

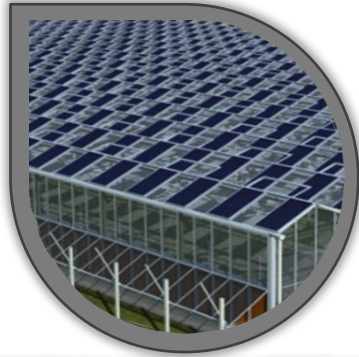


**New energy.**

# 08. PV agricultural greenhouses

PWSOLAR

01 translucent advantages.



02 structural advantages.



03 low-light advantages.

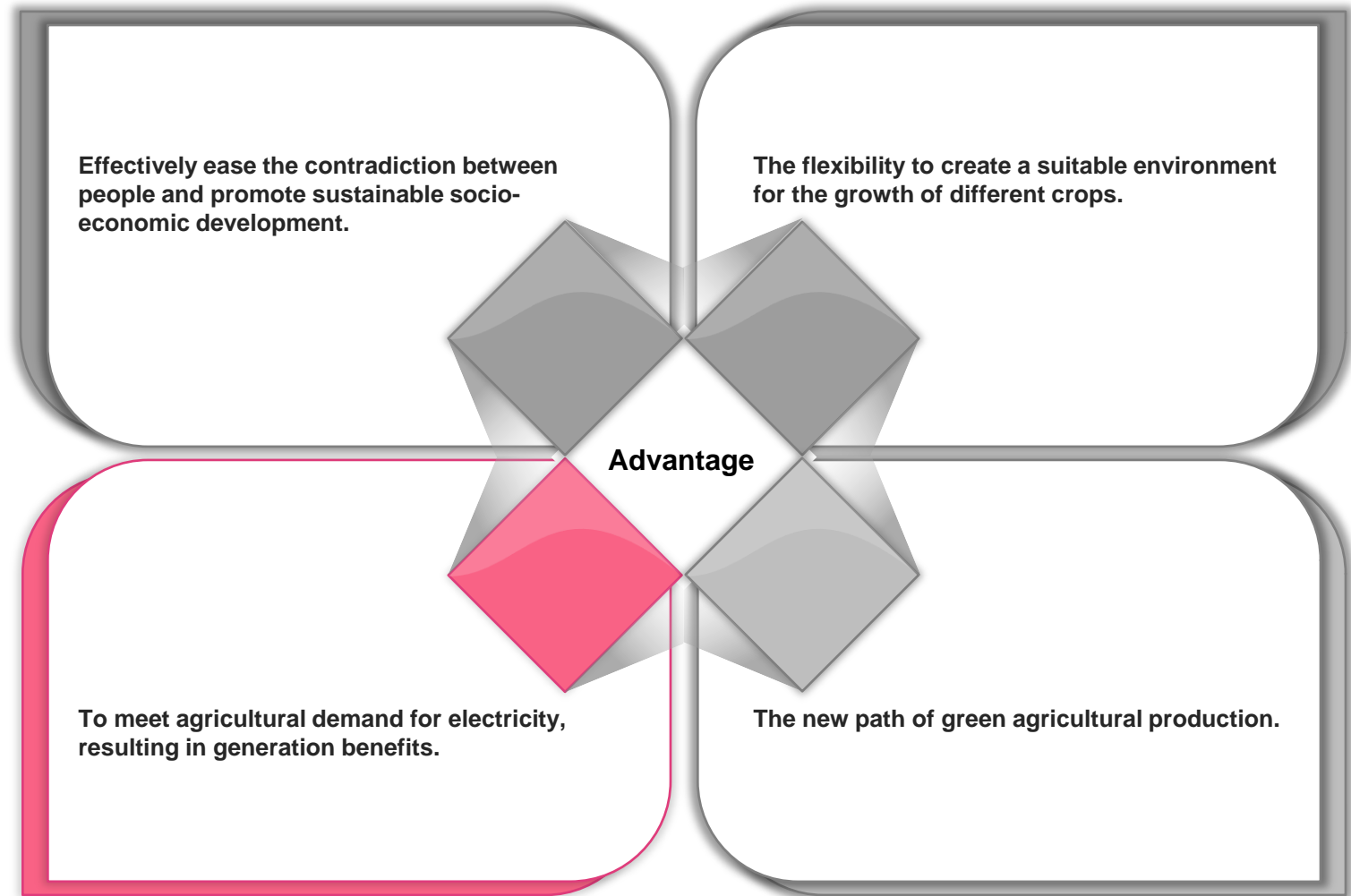


04 High Temperature advantages.



# ◆ Advantages of photovoltaic greenhouses

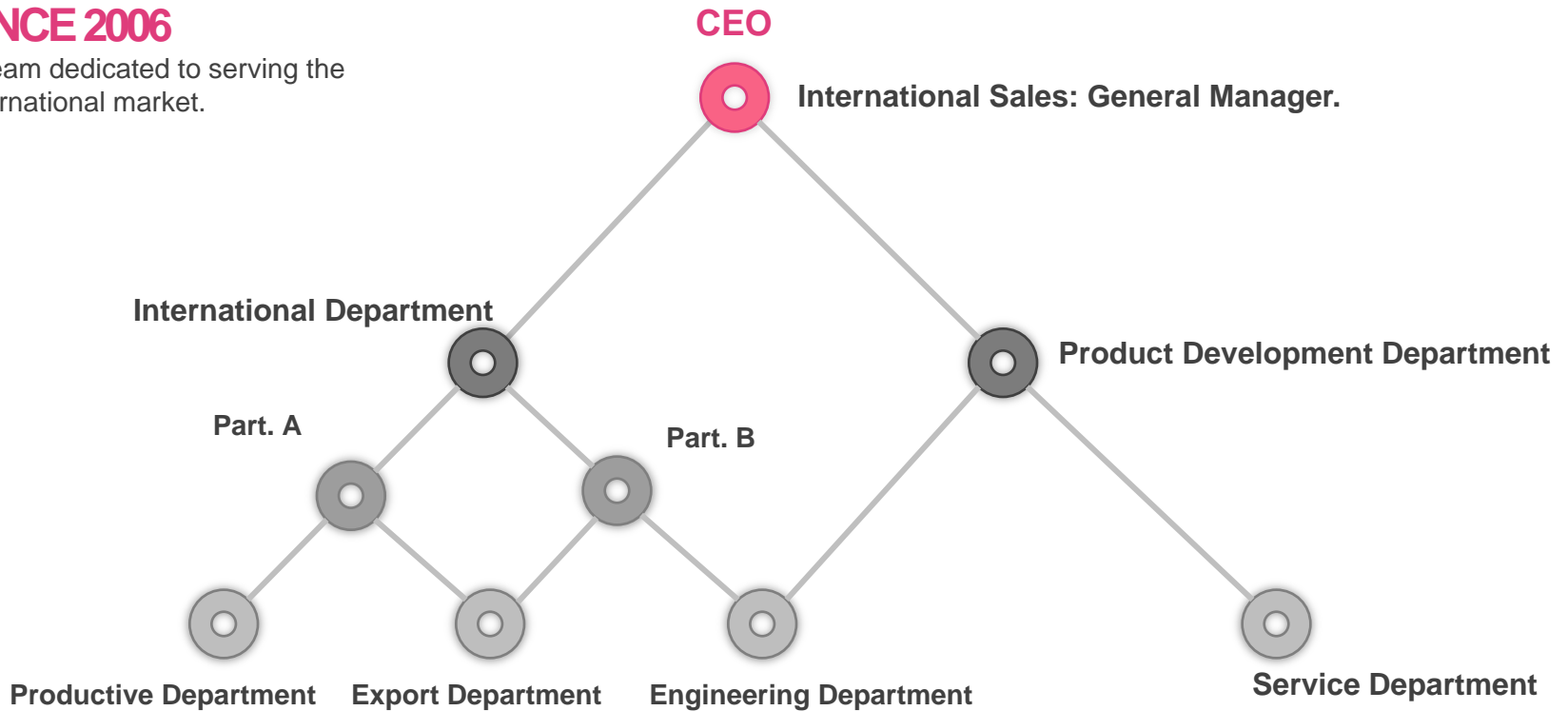
PV agricultural greenhouse is a new model of photovoltaic applications. Compared with the construction of large-scale photovoltaic centralized ground station, solar agricultural greenhouse project has many advantages:



# 01. Sales Architecture

## SINCE 2006

A team dedicated to serving the international market.



International Dept.	INSERT TEXT	
<b>Part.A</b>	Primarily responsible for expanding markets in West Asia, South Asia, East Asia, South Africa and other regions.	
<b>Part.B</b>	Primarily responsible for expanding markets of Eastern Europe, Northern Europe, Russia, North America and other regions.	

# 02. Four core advantages

Four core advantages.

## 01 Management advantages:

Has a professional R & D team, excellent project management and development experience and professional construction team.

## 02 Technological advantages:

Local conditions, to provide the best solutions.

## 03 Construction advantages:

standardized operations

## 04 Service advantages:

Full service.

# 03. Case I

**Dormitory water projects - organ firm flat solar project**



# 04. Case II

## Tian Tong Technology Park building integrated photovoltaic demonstration project



Tian Tong Technology Park 7 MW project

# 03. Case III



## 03. Case IV



More Installations to be continued...

# 03. Case V





# 04. Projects Distribution



**Norther America**

- Mexico
- USA
- Canada

**Africa**

- Sudan
- South Africa
- Senegal
- Kenya
- Suriname
- Nigeria
- Tunisia
- Zimbabwe
- Madagascar

**Asia**

- UAE
- India
- Pakistan
- South Korea
- Thailand
- Sri Lanka
- Vietnam
- Philippines
- Malaysia
- Kuwait

**Europe**

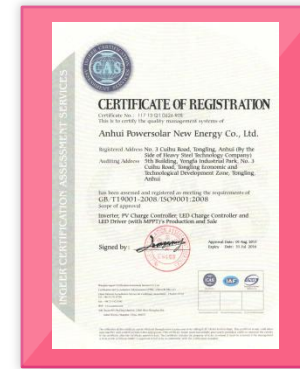
- Germany
- Spain
- Norway
- Russia
- Turkey
- France
- Belgium
- Austria
- Italy
- Switzerland
- UK
- Netherlands

**South America**

- Peru
- Brazil
- Chile
- Colombia

# 05. Certification

**Certification.**  
 14 China Utility Patents  
 3 China Invention Patents  
 ISO9001 Certification  
 CQC Certification  
 TUV Certification  
 CE Certification



# 06. Quality assurance system

Workmanship warranty

## Workmanship warranty.

12-year material and workmanship warranty.



Performance

## Power output warranty.

12 years 91.20% of nominal power out



## Power output warranty.

30 years 80.60% of nominal power output



# 07. Value-added services



# PWSOLAR GROUP

## Contact Us

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# THANK YOU

**PW SOLAR GROUP**

Devoted to provide life of low carbon, eco-friendly, refreshing and healthy

