

# *Company Profile*

**EINNOVA**  
SOLARLINE

[www.einnova-solarline.com](http://www.einnova-solarline.com)





**Company  
Introduction**

**Product**

**Projects**

**■ contents.**

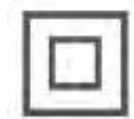


# Company Introduction

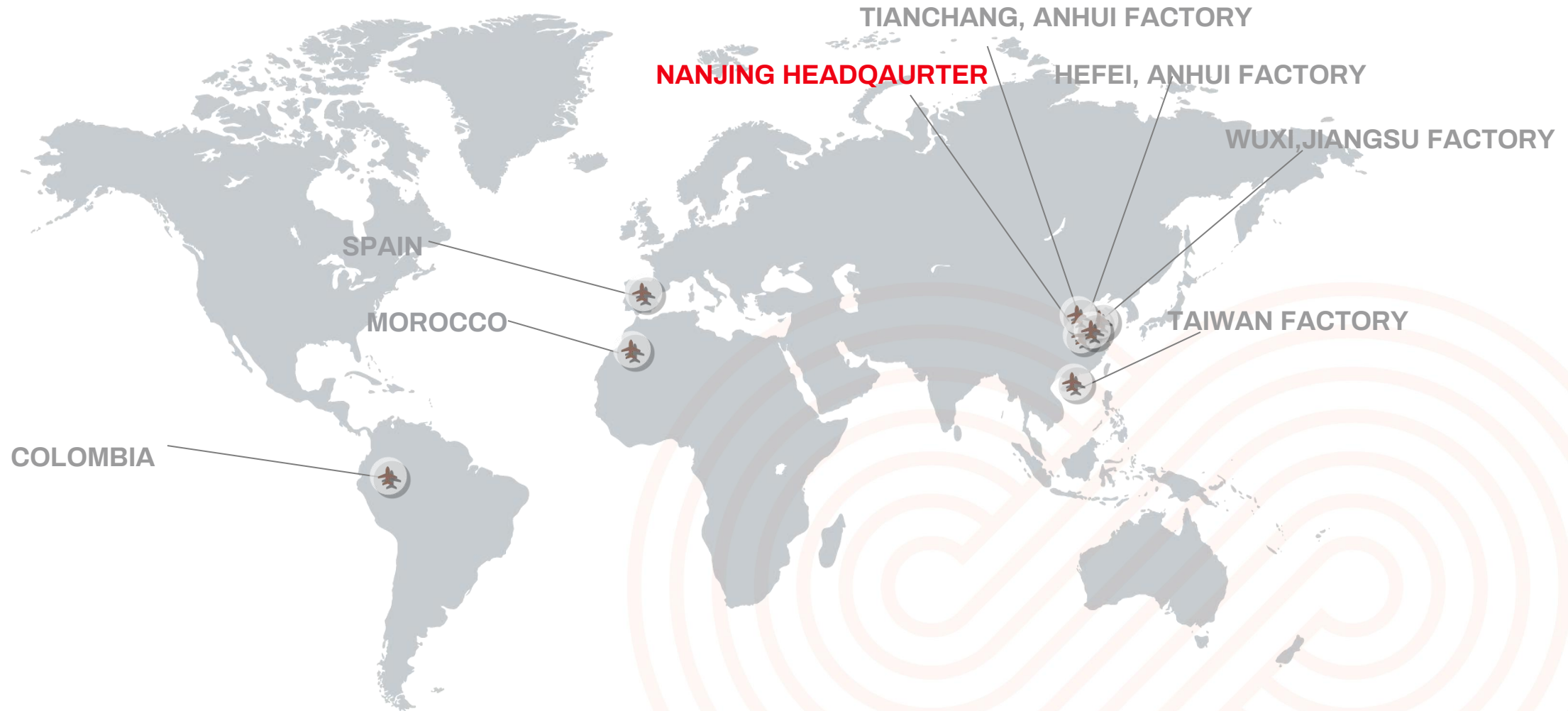
Part One

## Company Profile

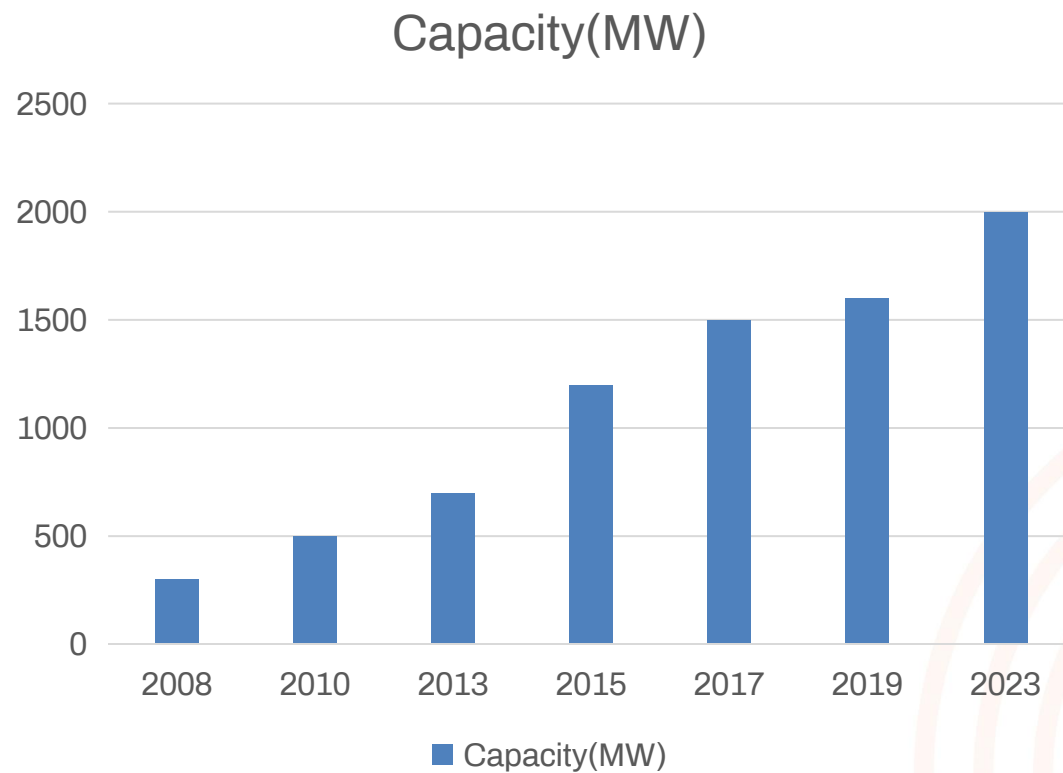
- Group company China Jiangsu International Group founded in 1980, dedicated to construction, real estate development, international business etc.;
- Einnova Solarline set up in 2008, focusing on solar module manufacturing and R&D;
- Einnova solar modules used and installed in more than 50 countries all over the world;
- Accumulated installation quantity more than 8GW;
- 2GW production capacity for solar modules;
- Four factories, state-of-the-art full production lines.



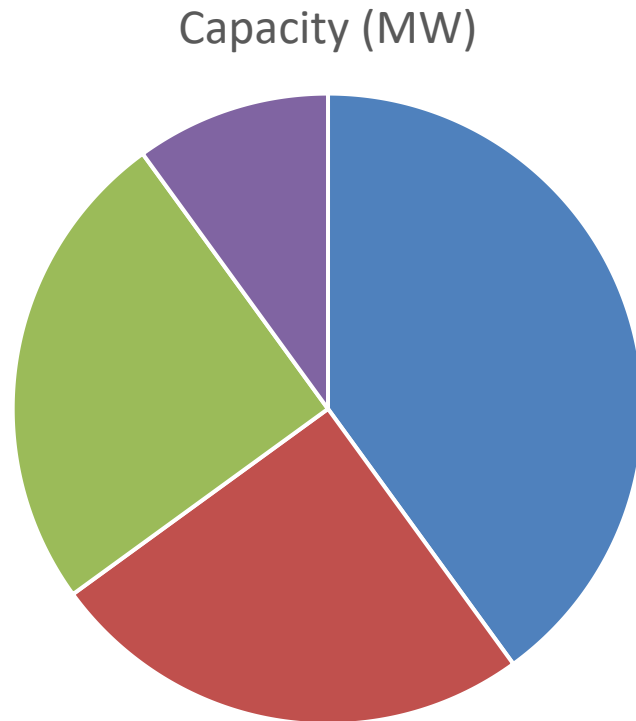
# Global Presence



# Production Capacity Development



- 2008: 300MW
- 2010: 500MW
- 2013: 700MW
- 2015: 1200MW
- 2017: 1500MW
- 2019: 1600MW
- 2023: 2000MW



■ HEFEI, ANHUI ■ TIANCHANG, ANHUI ■ TAIWAN ■ WUXI, JIANGSU

- **HEFEI, ANHUI: 800MW, 500MW for standard solar panels from 400w-700w; 300MW for customized products and small solar panels from 5w-300w.**
- **TIANCHANG, ANHUI: 500MW for standard solar panels from 400w-700w.**
- **WUXI, JIANGSU: 200MW for customized products and small panels from 5w-300w.**
- **TAIWAN: 500MW for both standard and customized solar panels.**

# Supplier Chain Partners

Solar Cell



EVA



Back Sheet



Glass





# Supplier Chain Partner

Junction Box



Silicon Gel



Frame



Ribbon



Flux



# Worldwide Client-Europe

**AEG**

**AXITEC**

**krannich**  
global solar distribution

**GWL**

**Kärkkäinen**

se edullisen ostamisen tavaratalo



**GREENHVAC**

**plaan**

**Beghelli**  
IDEE PIENE DI VITA

**SUNTECH ENERGY**  
Gedreven tot perfectie

**SUOMITRADING.fi**  
MENESTYVÄN KALUPPIAAN VERKKOTUKKUKAUPPA

**PV ENERGY**

**meeco**

**CRANE**  
RENEWABLE ENERGY

**Beem**

**RALOS**

**Energikonsulterna i Östergötland AB**

**EL SOL**

**Anäbytkär**

**MANO SAULÉ**

**BCC**

**solinso**

**PPAM**  
SOLKRAFT

# Worldwide Client-Asia

EINNOVA  
SOLARLINE

FOXCONN®  
富士康



国家电投  
SPIC

中国国电  
CHINA GUODIAN

中国电建  
POWERCHINA

中国能源建设股份有限公司  
CHINA ENERGY ENGINEERING CORPORATION LIMITED



国家电网有限公司  
STATE GRID  
CORPORATION OF CHINA

中電控股  
CLP Holdings

中国大唐集团  
China Datang Corporation

UNHCR  
The UN Refugee Agency

EsseL  
GROUP

ANTAH GROUP Syarikat Pesaka Antah

HSJ

SHARP  
Be Original.

DG GULF

adani

WAAREE®  
One with the Sun

TATA POWER SOLAR

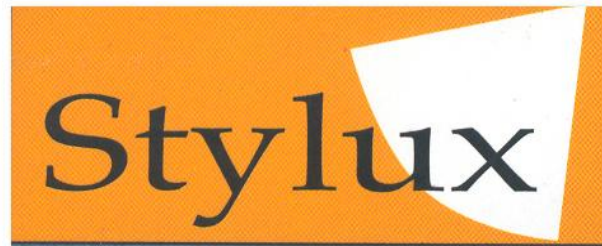
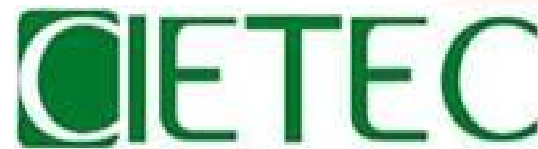
viettel

# Worldwide Client-America

EINNOVA  
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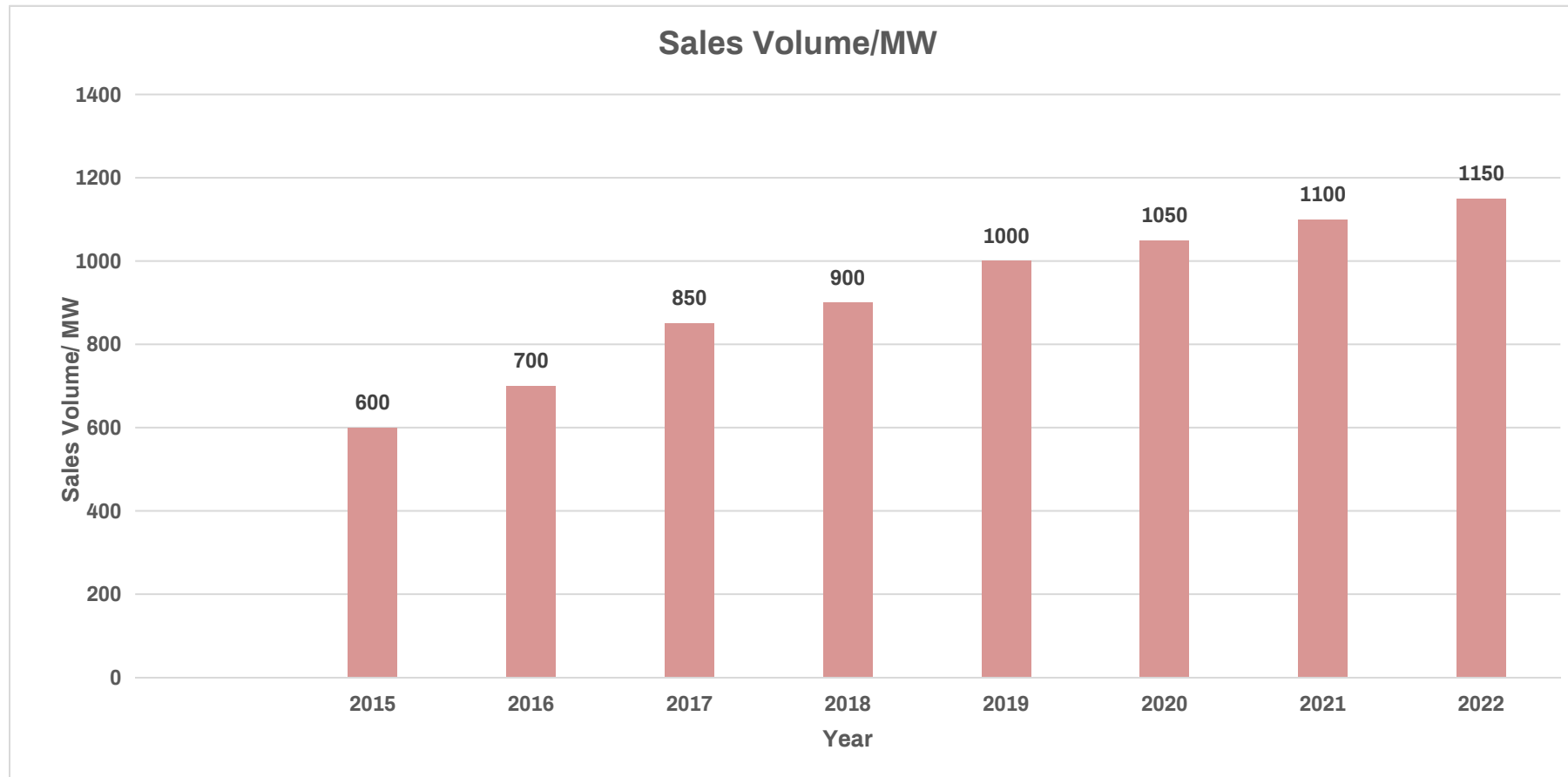


# Worldwide Client-Africa



# Sales Volume

Cumulative sales volume more than 8GW globally.



# Advantages

- **Reliable and premium quality;**
- **Flexible on order quantity & models;**
- **OEM&ODM service available;**
- **Competitive cost structure;**
- **Concentration on solar module manufacturing which helps us easily catch up with the latest technology development in solar industry and requests less investment on fixed assets;**
- **Quick decision-making company structure;**
- **Customized and timely service;**
- **Moderate company size suitable for variety of clients and to better withstand market ups and downs.**

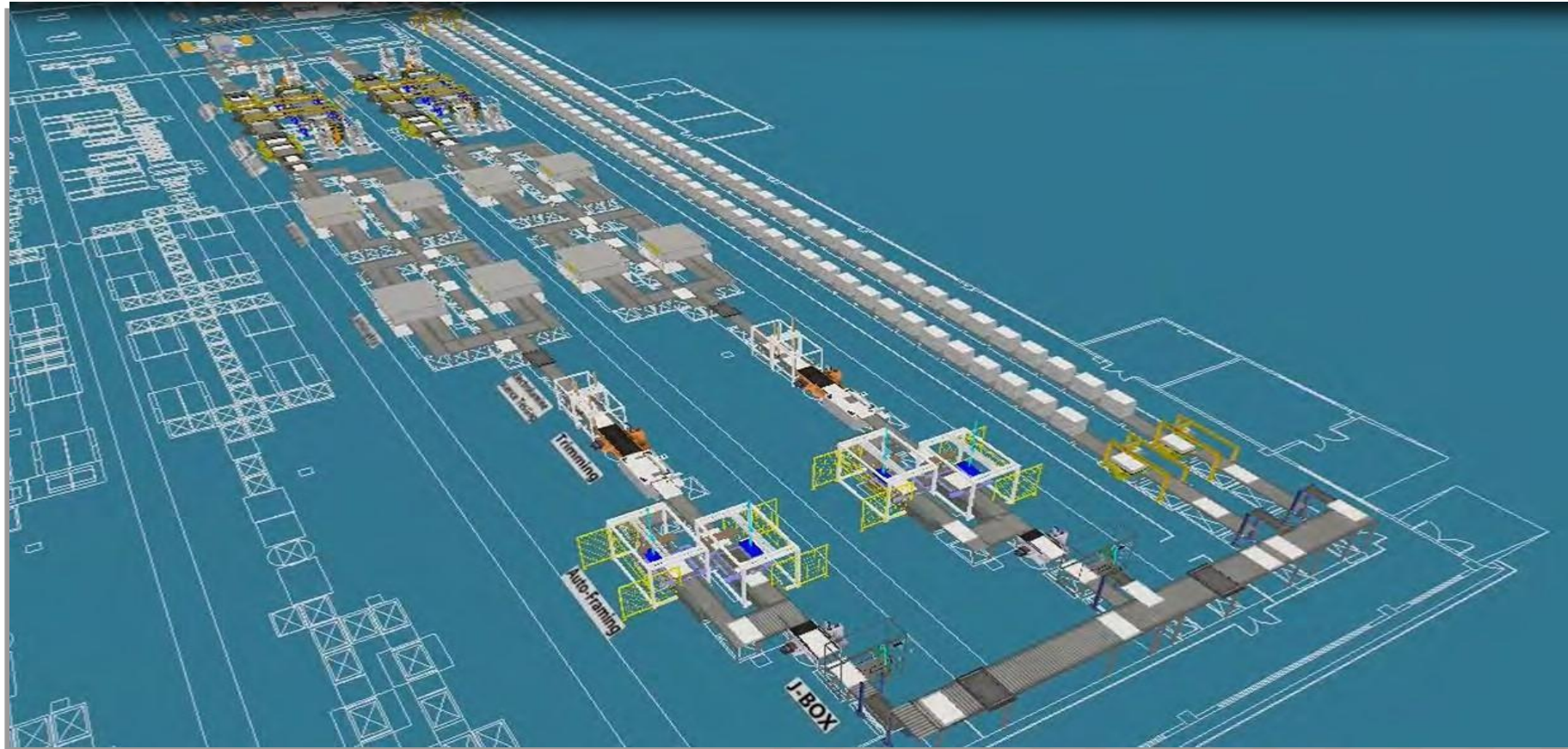
**ZINNOVA**  
SOLARLINE

# Product

*Part Two*



# State of the Art Production Line



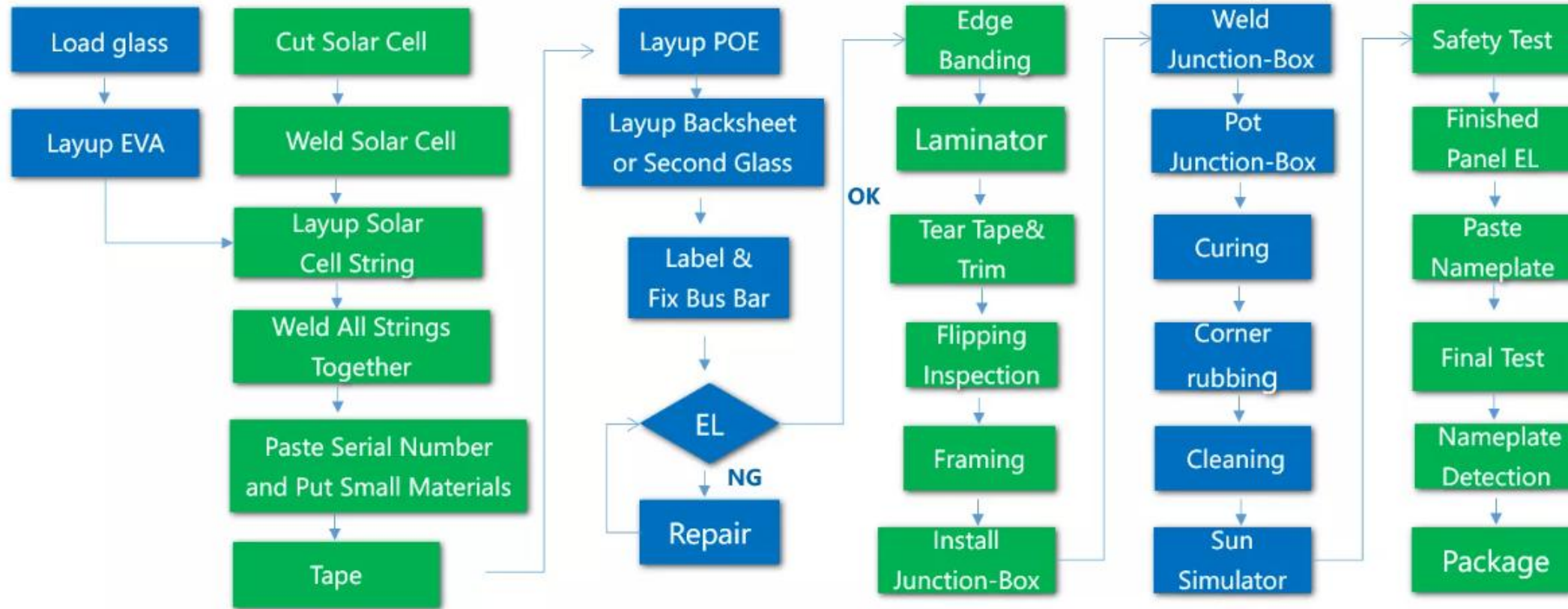
# State of The Art Production Line



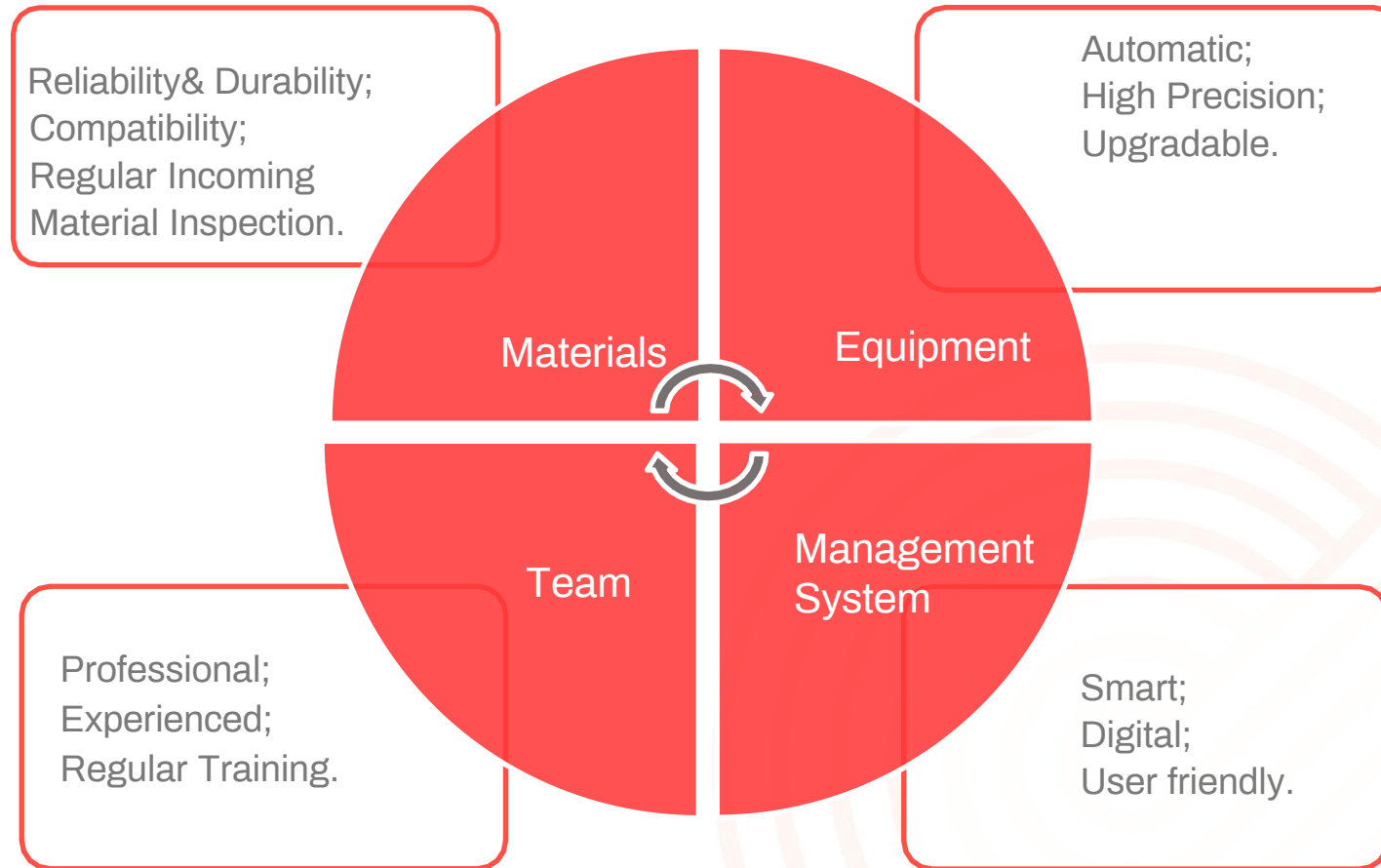
# State of The Art Production Line



# Production Process Chart



# Systematic Quality Control





Chemical Analysis



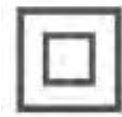
UV Aging Test



Thermal-Cycle Test

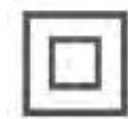
# Module Features

- High efficiency and power density;
- Excellent performance in weak light;
- Strong mechanical strength;
- PID free;
- Robust design for demanding climate conditions;
- Better shading tolerance;
- Positive power tolerance up to +5w;
- 12 Year Product, 30 Year Linear Power Warranty
- IEC, TUV, CE, RETIE, INMETRE certified.



## Standard Products:

- Mono, Poly
- PERC P type
- TOPCon N type
- Full Cell
- Half Cut
- White, black, transparent
- Mono-facial and Bi-facial
- Dual glass

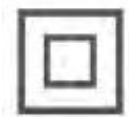
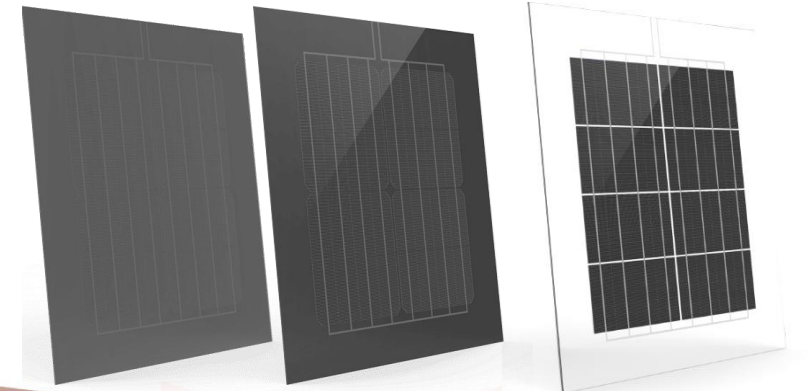
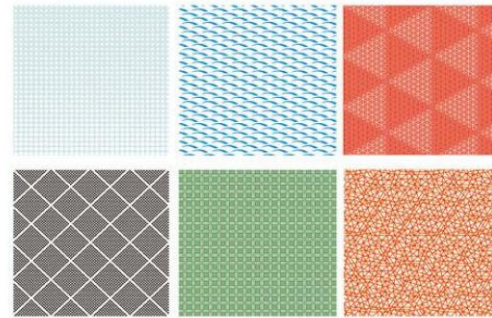




# Customized Solar Panels:

All our modules could come in different styles, with possibility to adjust design of:

- Size and shape
- Color of glass, solar cells, transparency
- Cell arrangement, gap differentiation
- Thickness and weight
- Efficiency, Junction Box
- Busbar coverage
- Adapt to various mounting
- Other variations on demand



ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTIFICADO ◆ CERTIFICAT




**CERTIFICATE**  
No. Z2 108801 0001 Rev. 01

**Holder of Certificate:** Einnova Solarline Energy Corp. Limited (Nanjing)  
Room 818, Building 1, No. 58, Yunjin Road, Jianye District 210000 Nanjing City, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA

**Certification Mark:** 

**Product:** Crystalline Silicon Terrestrial Photovoltaic (PV) Modules  
Mono & Poly Crystalline Silicon Photovoltaic Module


The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TUV SUD Group have to be complied. For details see: [www.tuvsud.com/jps-cert](http://www.tuvsud.com/jps-cert)

Test report no.: 701262007701-01  
Valid until: 2025-05-27

Date: 2021-05-15  
  
( ZhuLin Zhang )

Page 1 of 2  
TUV SUD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

Certificate n° CSVO-9XAH-Y67L-B956-2B56-E0CL



GLOBAL MEMBERSHIP

**2021**

[www.pvcycle.org](http://www.pvcycle.org)

PV CYCLE a.i.s.b.l.  
hereby declares that based on current commitments

**EINNOVA SOLARLINE ENERGY CORP. LIMITED (NANJING)**  
(Business registration nr.: 91320105062625970K)

- benefits from collection and treatment services\* for discarded PV panels and solar energy equipment
- adheres to the high principle of PV CYCLE's PV waste management program
- advocates and supports the development of sustainable PV waste management on a global scale
- contributes to sustainable PV waste management by informing customers about legal developments and requirements

**This certificate is valid until 31/12/2021 around the globe excluding the European Union Member States, UK, the EFTA countries and any other countries or regions where Extended Producer Responsibility legislation is in place.**

Brussels, 01/01/2021  
  
Jan Clyncke  
Managing Director

\*This membership does not cover the financing of collection, recycling and treatment of discarded PV panels and solar energy equipment. Details can be found in the signed terms and conditions.  
The validity of this certificate can only be confirmed on <https://portal.pvcycle.org/en-US/Verify/MemberCertificate>  
PV CYCLE a.i.s.b.l. is registered in Brussels, Belgium with BE 0893.027.827.



Certificado N° 0069

## CERTIFICADO DE CONFORMIDAD DE PRODUCTO ESQUEMA 5

Certicheck S.A.S. otorga el presente certificado de conformidad de producto a:

**EINNOVA SOLARLINE ENERGY CORP. LIMITED (NANJING)**  
NIT 91320105062625970K  
Room 818, building 1, No 58, Yunjin road, Jianye District,  
Nanjing, Jiangsu, China

Para el producto:

**Paneles Solares Fotovoltaicos**

El cual satisface los requisitos del referente normativo:

Numeral 20.22 de la Resolución 90708 del 30 de agosto de 2013 y adendas modificatorias del Reglamento Técnico de Instalaciones Eléctricas - RETIE (Colombia)

Fecha de certificación inicial: 2022/07/13

Fecha de siguiente seguimiento: 2023/07/13

Fecha de última modificación:

Fecha de vencimiento del certificado: 2025/07/12

La información completa de características e identificación del producto se encuentran en las hojas anexas a este documento, las cuales son parte integral del mismo. Este documento consta de 3 páginas. La vigencia y validez de este certificado depende del cumplimiento de lo estipulado en el RC-CR-001 Reglamento de certificación de productos, de CERTICHECK



ISO/IEC 17065:2012  
19-CPR-001

  
Director General

[WWW.CERTICHECK.COM.CO](http://WWW.CERTICHECK.COM.CO)

Circular 4 # 72 - 19, 050031, Medellín, Colombia  
Teléfono: +57 300 6202817



Escanear para verificar el estado del certificado o consultar en [www.certicheck.com.co](http://www.certicheck.com.co)

# Certification



Page 1 of 16 Report No.: 210802299SHA-001

**Test Report**

**Relatório de testes em laboratório**

**Performance Measurement at STC of Photovoltaic(PV) Modules  
Medição do desempenho de módulos Fotovoltaicos em condições padrão (STC)**

Report No. / Relatório Nº.: 210802160SHA-001

Date of issue / Data de questão: 09/08/2021

Client / Manufacturer / Cliente / Fabricante: Einnova Solarline Energy Corp. Limited (Nanjing)  
Room 818, Building 1, No. 58, Yunjin Road, Jianye District, Nanjing, China

Brand / Marca: Einnova Solarline

Product / Produto a ensaiar: Photovoltaic (PV) Module(s)

Module Model / Modelo de modulo: ESM-550S

Date of receipt / Data de recepção: 08/23/2021

Testing Location / Local dos ensaio: Intertek Testing Services Ltd. Zhejiang  
Building 2, Juanhu Science and Technology Innovation Park, No.500,  
Shuiyueting East Road, Haining, Zhejiang, China

Test Specification / Ensaio realizados: 10.1, 10.2, 10.3, 10.15 of IEC 61215:2005  
Crystalline silicon terrestrial photovoltaic (PV) modules – Design  
qualification and type approval

Prepared by:  
Realizado por:

*Zach Zhou*

Eddie Shang  
Certification Engineer  
PV Division

Reviewed by:  
Revisto por:

Clark Yang  
Reviewer  
PV Division



## QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certification No. 117 22 QU 0119-01 R0S

This is to certify that **EINNOVA SOLARLINE ENERGY  
CORP. LIMITED (NANJING)**

Unified social credit code 91320105062625970K

Registered Address Room 818, Building 1, No. 58, Yunjin Road, Jianye District,  
Nanjing, Jiangsu Province, China  
Business Address Room A, 10/F, Chunfeng Building, No. 37, Huaqiao Road,  
Gulou District, Nanjing, Jiangsu Province, China

has been assessed and registered as meeting the requirements of  
**GB/T19001-2016/ISO9001:2015**

Scope of approval Research& Development, Sales and Manufacture of Solar Modules



Signed by:

First Certification: 24 Jan. 2022

Expiry Date: 23 Jan. 2025

Shanghai Ingeer Certification Assessment Co.,Ltd.

Certification and Accreditation Administration of PRC:CNCA-R-2003-117  
Tel: 400-182-9001+86 21-51114700  
Web: www.icas.org.cn  
Add: Room 801 HuaDing Mansion, 2368# West Zhongshan Rd.,  
Xuhui District, Shanghai, China, 200235



Focus on our WeChat platform



1st Class Audit, 2nd Class Audit, 3rd Class Audit

The ownership of the certificate belongs to Shanghai Ingeer Certification Assessment Co., Ltd. The information & validation of this certificate can be checked on the CNCA website: WWW.CNCA.GOV.CN and ICAS website, or by calling ICAS's clients services Dept. The certificate is only valid when used together with related permits when appropriate. If the organization can't effectively maintain the above management system, ICAS has the right to withdraw the qualification certificate.



## Certificate of Compliance

Certificate Number: ZTL-2020122202C

**Applicant Address:** EINNOVA SOLARLINE ENERGY CORP. LIMITED  
ROOM 818, BUILDING 1, NO.58, YUNJIN ROAD, JIANYE DISTRICT,  
NANJING, CHINA

**Manufacturer Address:** EINNOVA SOLARLINE ENERGY CORP. LIMITED  
West of Jingqi Road, South of Weiyi road, Tianchang City, Anhui Province,  
China

**Product:** SOLAR MODULE

**Trademark:** Einnova Solarline

**Model No.:** ESM310  
ESM XXX, ESP XXX, ESM XXXH, ESP XXXH, ESM XXX-BDG,  
ESP XXX-BDG, ESM XXX-BDGH, ESP XXX-BDGH, ESM-XXXX, ESP-XXXX,  
ESM XXXBIPV, ESP XXXBIPV, ESM XXXSB, ESM XXXTB,  
ESP XXXTB (XXX STAND FOR 1W-700W)

**Test Standard:** EN 61215-1-1:2016  
EN 61215-1:2016  
EN 61215-2:2017

This Attestation of Compliance is issued on a voluntary basis for electrical equipment below the voltage limits of Low Voltage Directive 2014/35/EU. The essential requirements are fulfilled accordingly based on the technical specifications applicable at the time of issuance. See also notes overleaf. It is only valid in connection with the test report number: ZTL-2020122202S.



**Shenzhen ZTL Testing Technology Co., Ltd.**  
No. 302, 3rd Floor, Qiaotou Chuangke Center, No.168 Yongfu Road, Fuhai Street, Baoan District, Shenzhen, China  
Fax: +86-755-27225865 Tel: +86-755-27225865 Email: ztl@ztl-lab.com Web: www.ztl-lab.com  
This Certificate of Conformity is based on single evaluation of the submitted sample(s) of the above mentioned product.  
It does not imply an assessment of the whole product and relevant Directives to be observed.

**EINNOVA**  
SOLARLINE

# Projects

*Part Three*



# Projects



**Look forward to cooperating with you!**

**THANK YOU!**

[www.einnova-solarline.com](http://www.einnova-solarline.com)

**EINNOVA**  
SOLARLINE