

# POWER X

Production With Passion For Technology

Power-x, established in 2008, a technology company dedicated to energy transformation.



 [www.powerxxsolar.com](http://www.powerxxsolar.com)

 [info@solarpowerxx.com](mailto:info@solarpowerxx.com)

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# COMPANY PROFILE

Production With Passion For Technology

**3MW+ /** DAILY CAPACITY



12 Years Product Warranty



25 Years Output Power Guarantee



Power-x is a technology enterprise that has been focused on energy transformation since its establishment in 2008.

Over the course of over a decade, we have dedicated itself to delivering fully-integrated solutions, which encompass energy capture, storage, and practical application. Through its ongoing development efforts, Power-x has become an industry leader in this field.

Our commitment to innovation has allowed it to continuously expand its product offerings and provide cutting-edge technology to clients. Today, Power-x can be regarded as a reputed and reliable source of comprehensive solutions for energy transformation needs.

**20+R&D TEAM**

R&D team more than 20 members. Total acquisition 50+ patented technology.

**15 YEARS+ EXPERIENCE**

Power-X has been in solar energy for over 15 years, provides an overall solution for obtaining and storing light energy applications.

**100+COUNTRIES&REGIONS**

We have extensive export experience and offer reliable products to customers worldwide.

**63,000 SQUARE METERS**

63,000 square meters of production area, daily capacity of 3 megawatts, 182-210mm compatible.

# INTELLIGENT MANUFACTURING



**POWER X**

Power X solar has a new intelligent production base, equipped with new production equipment for crystalline silicon wafers, batteries and high-efficiency module. It has the advantages of automation, informatization and intelligence , not only can complete high-precision production and manufacturing processes, but also can effectively improve product production efficiency.



Automation



Information



Intelligence

# QUALITY CONTROL



## Product Design

The established design models for optics, electricity, mechanics, and heat integrate theory with experimental results and historical experience. A thorough analysis of product value is conducted based on the application scenarios.



## Material Select

Tailor the measurement process to suit the distinctive features of the material. Give preference to suppliers with sound financial standing. Rigorous testing procedures have been carried out on components composed of new materials to ensure their dependability.



## Product Planning

Achieving a high degree of consistency and widespread applicability of materials is vital through both product and material standardization measures.

8 /Terms

Solar cell test

12 /Terms

Welding tape test

31 /Terms

Glass detection

12 /Terms

EVA detection

16 /Terms

Back Sheet detection

12 /Terms

Busbar detection

20 /Terms

Junction box inspection

14 /Terms

Border detection

**POWER X**



EL Testing



Solar cell test



Wet Leakage Test System



## Reliability Testing

Our enterprise laboratory is highly advanced and acknowledged by prominent third-party institutions. Our product goes through rigorous internal reliability testing, ensuring its quality and reliability. Furthermore, the product exhibits exceptional performance in the enhanced testing conducted by third-party organizations.



## Production And Manufacture

Measures are implemented to ensure the excellence of highly automated production lines. These measures are carefully designed to maintain the highest standards of quality throughout the production process.



## Demonstration Of Outdoor Power Generation

For optimal power generation performance, a comprehensive approach that integrates theoretical analysis, practical demonstration, and reliability assessment is recommended. Collaborating with trusted third-party institutions and clients for joint demonstration can increase the verification process's credibility and effectiveness.

# AI PRODUCT TESTING

## 4\*EL Test

Power-X production process employs 4x EL detection with horizontal direct illumination and equipment identification accuracy of <math><0.5\text{mm}/\text{pixel}</math>. The process takes 2s per string and includes an AI intelligent judgment function for detecting defect types and equipment performance.



76 automatic appearance recognition



Lamination process  
7 dimensions automatic detection



Junction box realizes the visual inspection of solder joints



# OUR CERTIFICATE

