



RISEN ENERGY CO., LTD

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COMPANY PROFILE

THE POWER OF
RISING VALUE

www.risenenergy.com





Who we are

Risen Energy is a multinational solar energy company founded in China in 1986.

Today, we supply, finance, construct and operate solar projects. With around 8000 employees, we are the sixth largest PV module supplier in the world.

What we do

We are a truly global company that offers:

- research, design and manufacture of solar photovoltaic products
- utility-scale solar project development
- Financing, investment and alternative funding structures
- EPC
- operation and maintenance.



RISEN ENERGY

Solutions tailored to your needs

The core of our business is in manufacturing PV products, designing and engineering hancing as well as operating and maintaining large-scale solar power plants.

But what sets us apart is our ability offer flexible and innovative project investment and strategic support.

This means we can provide a one-stop solution across the entire value chain. And we have a strong track record of providing financing options and customised approaches according to your needs.

Engineering, procurement and construction

We have successfully completed hundreds of utility and commercial-scale solar projects, offering engineering, procurement and construction services, including:

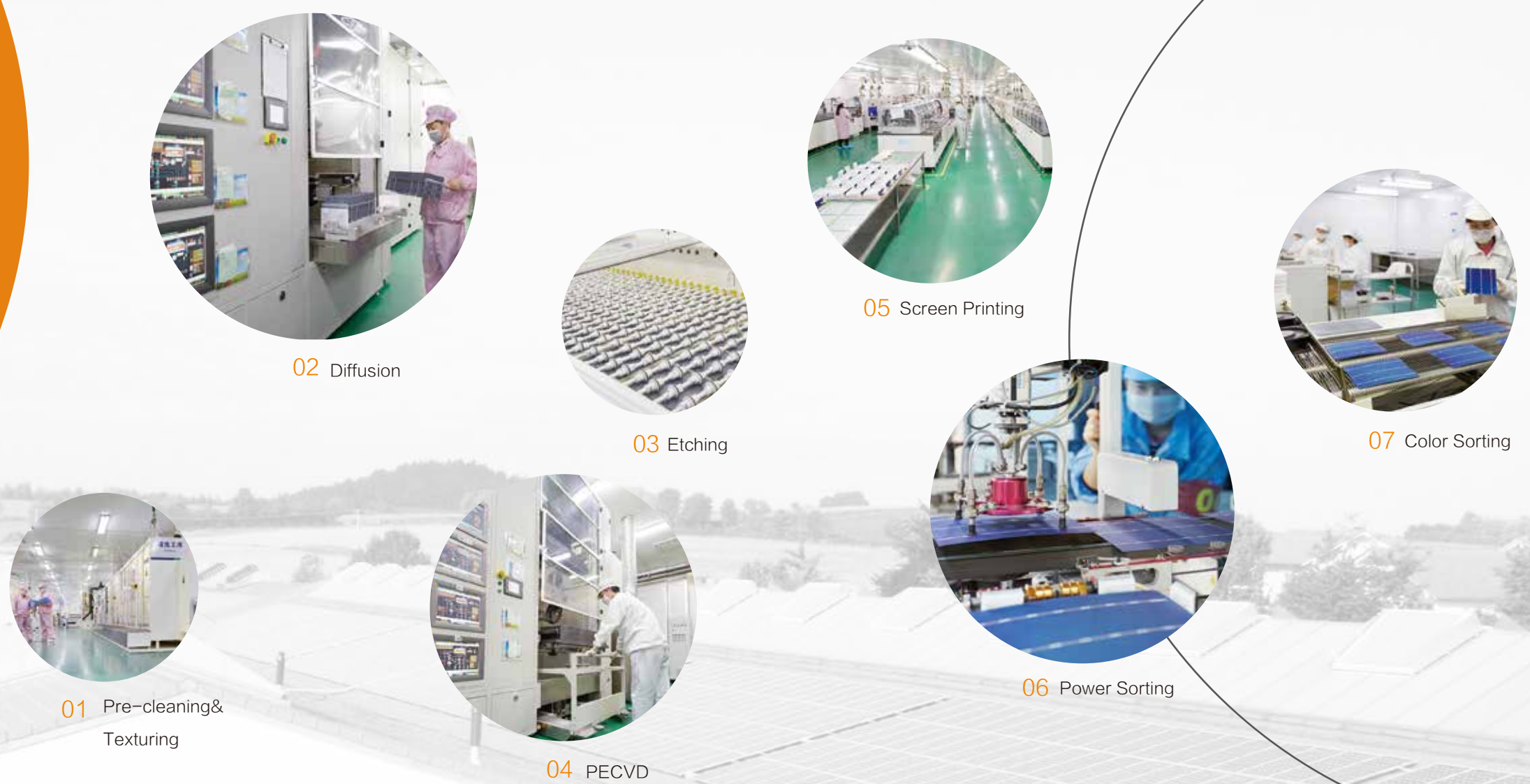
- project design
- supply of PV modules and all equipment
- installation
- network connection
- testing and maintenance
- system upgrades.

In additional, we supply PV modules that we make ourselves, allowing us to pass on cost savings and achieve economies of scale.

Operation and maintenance

We provide long-term monitoring, operation and maintenance services with a strong focus on maintaining the highest energy output possible. We use remote systems to communicate with local operations and maintenance teams.

SOLAR CELL PRODUCTION PROCESS



SOLAR MODULE PRODUCTION PROJECTION



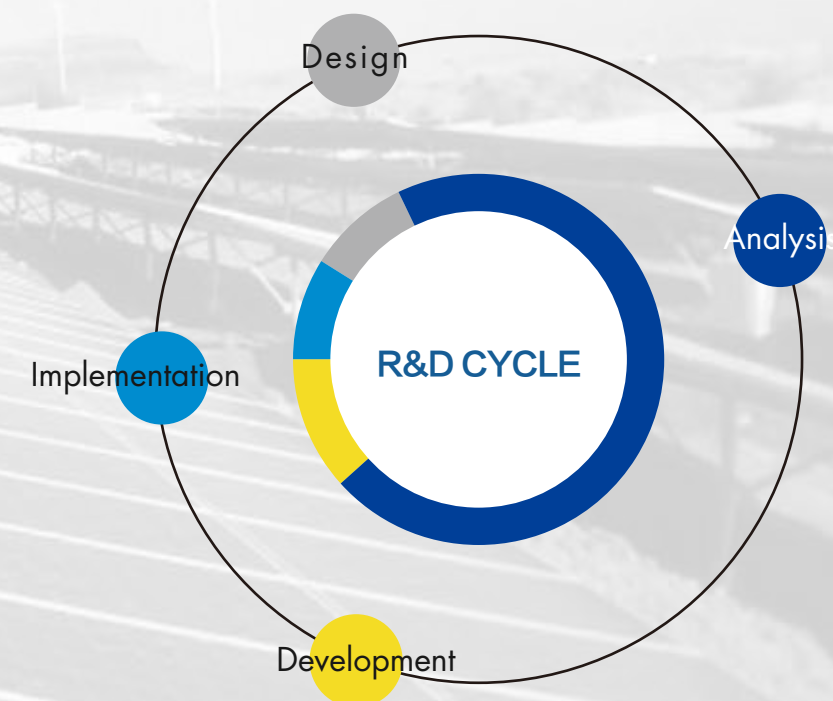
RESEARCH AND DEVELOPMENT

Renewable energy innovation

We don't just manufacture solar modules – we also invest in research and development, to improve our products and develop new ones.

We are committed to scientific and technological innovation and to accelerating the development of leading-edge technology products.

Our R&D capacity is focused on developing and advancing renewable energy science, and integrating the best industrial technology information from across the world. It also supports our development, investment, EPC, operations and maintenance, and strategic functions.



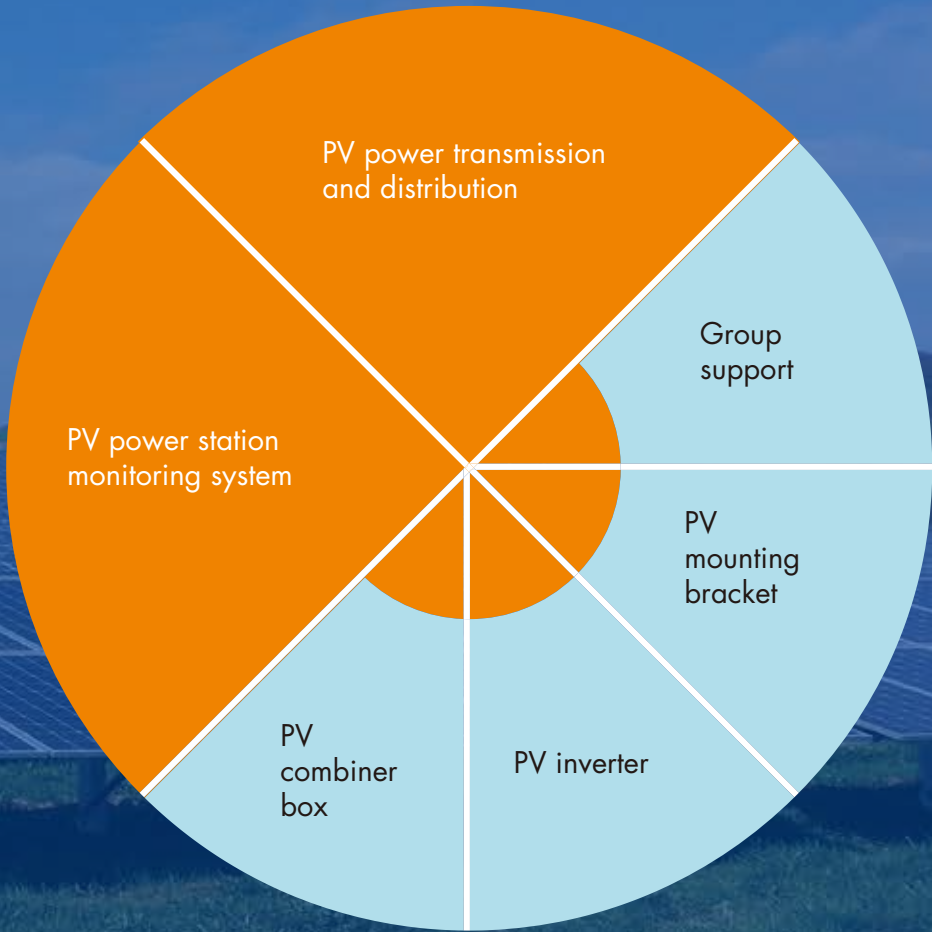
RISEN ENERGY PV PROJECTS

Creating Tailored Solutions

Risen Energy takes advantage of our horizontal integration, bringing together supply chain management with engineering and construction expertise to provide tailored solutions that meet the needs of different jurisdictions.

Leveraging our global experience, we can offer flexible solutions to deliver projects for local conditions.

RISEN ENERGY'S SUPPLY CHAIN SUPPORT



PROJECTS



Group support

Polycrystalline modules
Monocrystalline modules
Double glass modules



PV mounting bracket

Ground mounting system
Roof mounting system
Tracking mounting system



PV combiner box

DC combiner box
AC combiner box



PV inverter

Grid connected inverter
Off grid inverte

OUR SERVICES

- 1 Customer consultation**
product introduction, process explanation, investment budget analysis
- 2 Site survey**
Topographical, structural, environmental assessment
- 3 System design**
based on the results of the survey to optimize the system design
- 4 Supply of equipment**
provide high quality logistics to ensure the goods arrive on time
- 5 Professional construction**
professional construction team, standardized construction process, to ensure the quality of the project
- 6 Grid connected assistance**
to assist customers in grid connected applications and grid acceptance
- 7 After-sales service**
provide intelligent monitoring system, complete quality guarantee system, and provide excellent service





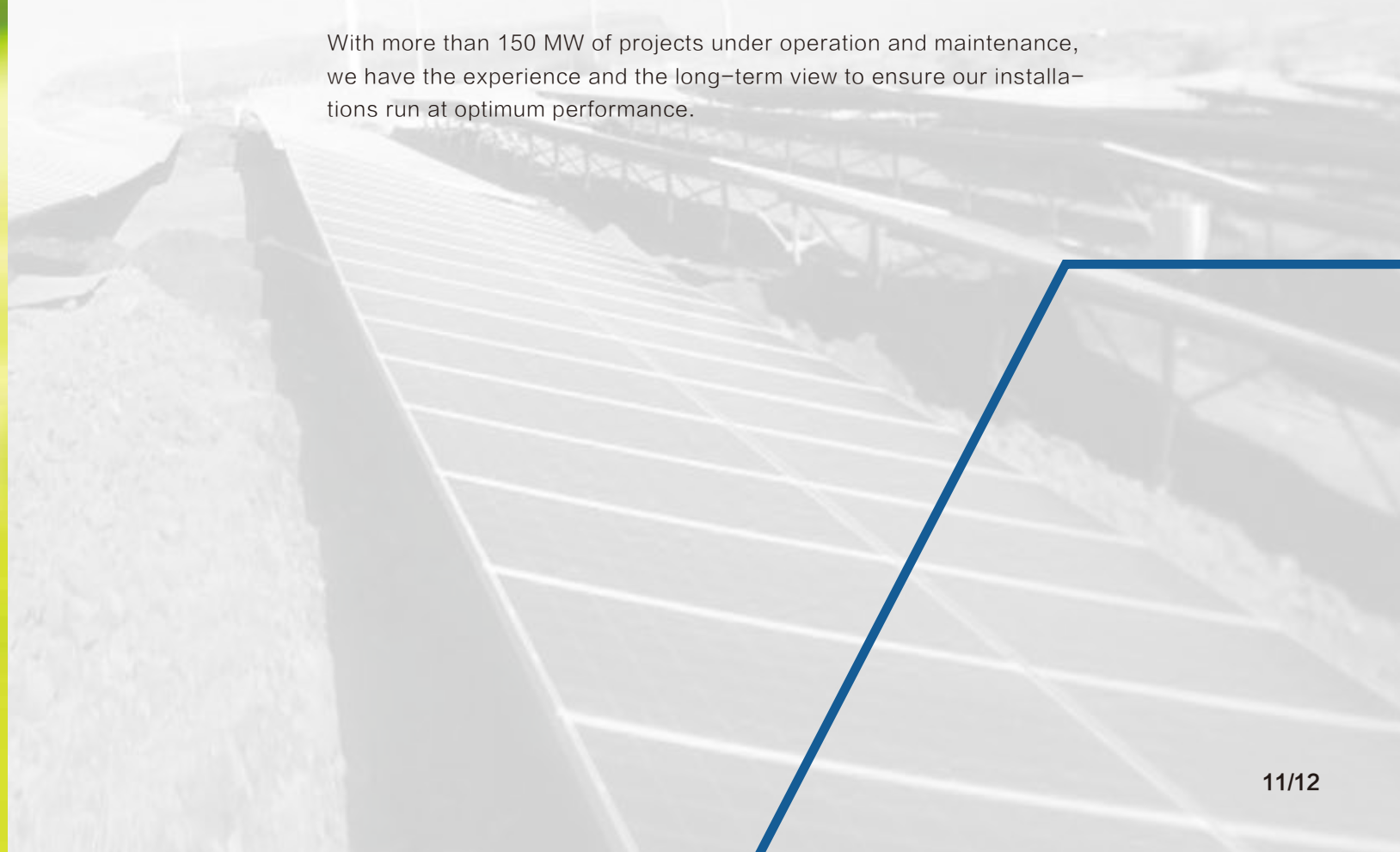
OPERATION AND MAINTENANCE

Customised solutions to meet your needs

Risen Energy's operation and maintenance services can manage all aspects of your installation, including providing:

- Monitoring
- Data Visualization
- Fault Analysis
- Maintenance And Service
- 24/7 Protection

With more than 150 MW of projects under operation and maintenance, we have the experience and the long-term view to ensure our installations run at optimum performance.





China

Location: Zhejiang, China

Completed Date: Q2 2017

Type: Floating Project

Risen Model: RSM60-6-275P

Capacity: 99MW

PROJECTS

China

Location: Henan, China

Completed Date: Q2 2016

Type: Ground Mounted

Risen Model: RSM60-6-260P

Capacity: 100MW



PROJECTS

China

Location: Hubei, China

Completed Date: Q2 2015

Type: Agriculture Project

Risen Model: RSM60-6-250P

Capacity: 40MW



China

Location: Xinjian, China

Completed Date: Q2 2017

Type: Ground Mounted

Risen Model: RSM60-6-260P

Capacity: 20MW

PROJECTS



China

Location: Zhejiang, China

Completed Date: Q2 2016

Type: Commercial Roof Top

Risen Model: RSM60-6-260P

Capacity: 20MW



China

Location: Risen Energy, China

Completed Date: Q1 2017

Type: Commercial Roof Top

Risen Model: RSM60-6-275M

Capacity: 3.7MW

PROJECTS



Italy

Location: Sardinia, Italy

Completed Date: Q1 2013

Type: Ground Mounted

Risen Model: RSM60-6-240P+ RSM60-6-245P

Capacity: 11MW

Germany

Location: Osternienburg, Germany

Completed Date: Q3 2014

Type: Ground Mounted

Risen Model: RSM60-6-250P+ RSM60-6-255P

Capacity: 10MW

PROJECTS



India

Location: Telangana, India

Completed Date: Q2 2017

Type: Ground Mounted

Risen Model: RSM72-6-310P+ RSM72-6-315P

Capacity: 40.9MW



Bulgaria

Location: Koprivlen, Bulgaria

Completed Date: Q2 2012

Type: Ground Mounted

Risen Model: RSM60-6-245P

Capacity: 10MW

PROJECTS

Romania

Location: Giurgiu, Romania
Completed Date: Q4 2013
Type: Ground Mounted
Risen Model: RSM60-6-245P
Capacity: 20MW



UK

Location: Wales, UK
Completed Date: Q1 2011
Type: Ground Mounted
Risen Model: RSM60-6-230P
Capacity: 5.0MW



America

Location: America

Completed Date: Q2 2018

Type: Ground Mounted

Risen Model: RSM72-6-325P+RSM72-6-330P

Capacity: 3.085MW

PROJECTS



America

Location: America

Completed Date: Q4 2017

Type: Ground Mounted

Risen Model: RSM72-6-325P+RSM72-6-330P

Capacity: 73.057MW

PROJECTS



Senegal

Location: Senegal

Completed Date: Q1 2018

Type: Ground Mounted

Risen Model: RSM60-6-255P+RSM60-6-260P

Capacity: 22MW

Mexico

Location: Mexico

Completed Date: Q2 2018

Type: Ground Mounted

Risen Model: RSM72-6-320P

Capacity: 21MW



PROJECTS

PROJECTS

Vietnam

Location: Ninh Thuan, Vietnam

Completed Date: Q2 2019

Type: Ground Mounted

Risen Model: 330Wp Poly 1500VDC

Capacity: 61MW



Kazakhstan

Location: Kazakhstan

Completed Date: Q4 2018

Type: Ground Mounted

Risen Model: 325Wp Poly 1500VDC

Capacity: 40MW

PROJECTS



Vietnam

Location: Ninh Thuan, Vietnam

Completed Date: Q2 2019

Type: Ground Mounted

Capacity: 50MW



Australia

Location: Queensland Australia

Completed Date: 2019/4/30

Type: Agriculture Project

Risen Model: 360/365Wp Poly 1500VDC

Capacity: 134MW



Bangladesh

Location: Tentulia, Panchagar District, Bangladesh

Completed Date: Q2 2019

Type: Ground Mounted + Roof top

Risen Model: 275Wp Poly 1500VDC

Capacity: 10.3MW

KEY FEATURES



Global, Tier 1 bankable brand, with independently certified state-of-the-art automated manufacturing



Industry leading lowest thermal co-efficient of Power



Industry leading 12 years product warranty



Excellent low irradiance performance



Excellent PID resistance



Positive tight power tolerance of 3%



Dual stage 100% EL Inspection warranting defect-free product



Module Imp binning radically reduces string mismatch losses



Warranted reliability and stringent quality assurances' well beyond certified requirements



Certified to withstand severe environmental conditions
Anti-reflective & anti-soiling surface minimise power loss from dirt and dust
Severe salt mist, ammonia & blown sand resistance, for seaside, farm and desert environments
Excellent mechanical load 2400Pa & snow load 5400Pa resistance

LINEAR PERFORMANCE WARRANTY

12 year Product Warranty / 25 year Linear Power Warranty

