



LEAPTON
SOLAR

LEAP FROM JAPAN TO THE WORLD

日本からの太陽光発電スマート製造

BloombergNEF Tier-1 Listed

2020 V3

ABOUT LEAPTON

LEAPTON ENERGY – the world's leader of PV module and system supplier from Japan. BloombergNEF Tire-1 listed. Since last 8 years of experience, Leapton Energy has built a deep subject matter expertise in solar system installations and solar module manufacturing.

Our solar systems know-how and expertise can provide the most suitable panels for each solar system. High quality solar



1 GW Capacity (Q1 2021)



Customers From 35 Countries



300+ Employees Worldwide



Full Automated Line



BloombergNEF Tier-1 Listed



JPN Land Holder





LEAPTON SERVICE



Sales of PV products



Warehouse and logistics



Investment in PV power station in Japan



PV EPC project general contracting in Japan



BloombergNEF Tier-1 Listed not only represent the promotion of Leapton's own brand credibility and the enhancement of market competitiveness, but also are recognized by the international community for the quality of our products. Tier-1 enterprises can participate in the bidding of government projects and help the company's customers to obtain bank project financing smoothly in the future.

Leapton Energy is also one of the few Japanese companies to be listed Tier1, which helps our local customers in Japan obtain better bank financing support and complete large-scale photovoltaic power station projects more smoothly.

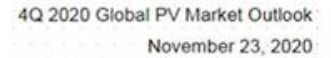


Table 3: Photovoltaic module manufacturers meeting Bloomberg

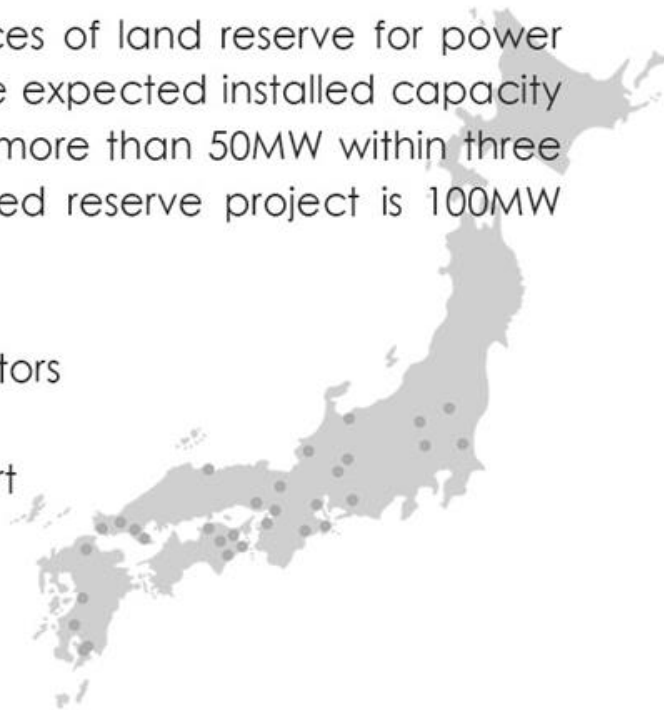
Source: BloombergNEF Note: Methodology [here](#). Note: * denotes a company for which technical due diligence reports are available from PV Evolution Labs, PVEL. Contact Tara.Doyle@pvel.com for details. Brands are shown in reverse alphabetical order to avoid giving the impression that position in the list is significant.

FROM JAPAN

Leapton Energy also is a project developer in Japan.

It holds around 80 pieces of land reserve for power plant development. The expected installed capacity of the power station is more than 50MW within three years, and the expected reserve project is 100MW within three years.

- More than 300 distributors
- 3 warehouses
- 8 bank finance support
- Member of JPEA





TO THE WORLD

Leapton's own brand of PV module is sold to **35** countries and regions in Asia, Europe, America and Oceania.



EUROPE



Europe warehouse



Rotterdam, Netherlands



WORLD



Chinese Factory



Changshu, China



JAPAN



Japanese Company



Kobe, Japan



Tokyo, Japan



MILESTONE

Leapton Energy Co., Ltd. was established in Kobe, Japan.

2012



Leapton Engineering Technology (Shanghai) Co., Ltd. was established in Shanghai, China.

2013



Leapton Energy Co., Ltd. - Tokyo Branch was established in Tokyo, Japan.

2014



MILESTONE

Leapton Solar (Changshu) Co., Ltd. was established in Changshu, China.
Launch of PV module manufacturing.

Leapton has more than 300+ employees worldwide.
Production capacity reach 600MW.

2017



2018



MILESTONE

Half-Cell PV module production line start running.
New factory of 1.5GW capacity under construction.

Lepton Solar Began Mass-producing 166 Series 9BB PV Modules
Lepton Solar add new 2GW on the basis of the original plan of 1.5GW new plant, and the overall project reach 5GW!
Lepton solar's Phase one 1.5GW self-built building topped out successfully.
2020 Q2&Q3&Q4 Lepton Solar Tier-1 listed by BloombergNEF.
182 Series PV Modules under certification.

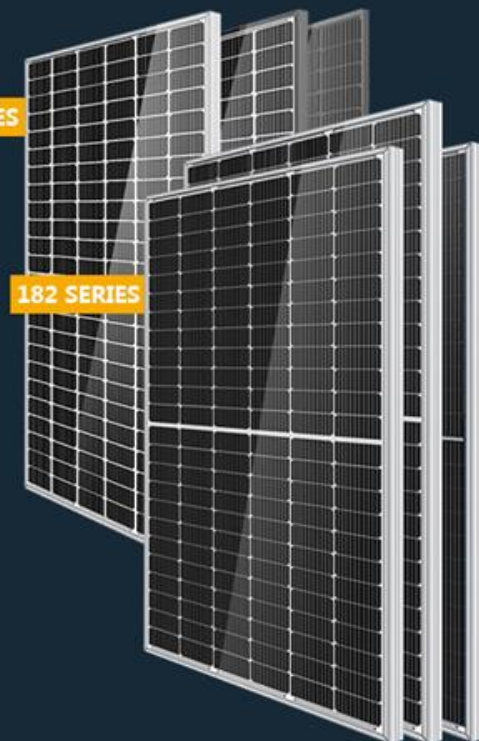
2019



2020



166 SERIES



182 SERIES

◆◆◆◆◆
NEW 1.5 GW PLANT CONSTRUCT WILL FINISHED BY THE END OF 2020



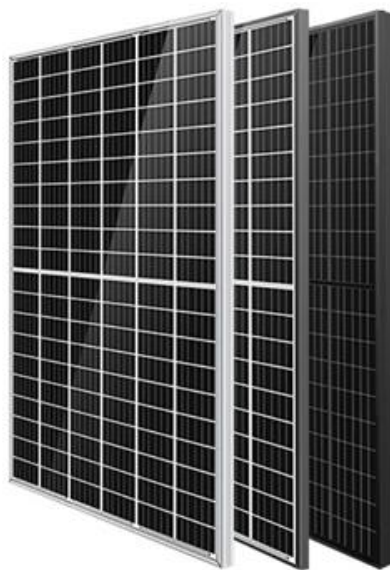


Monocrystalline
PRODUCTS



158mm Cell Size — 9BB Half-Cell Series

- 9BB Half-Cell, More uniform current collection capability
- Fall down mismatch effect
- Cell size: 158mm
- Reduce internal current loss
- More spectrum response, more output



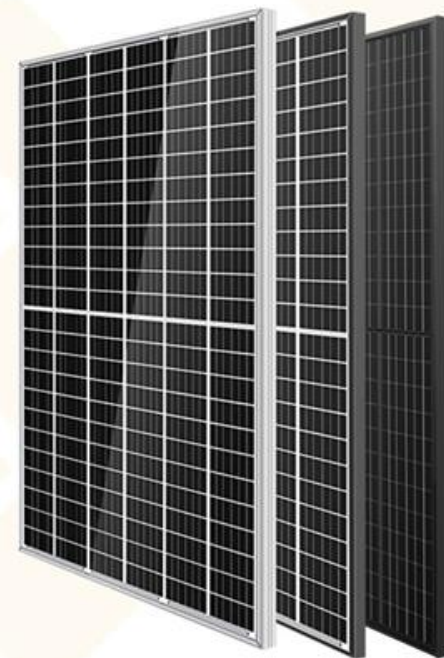
• LP158*158-M-60-H 320-345W

Monocrystalline



• LP158*158-M-66-H 360-385W

Monocrystalline

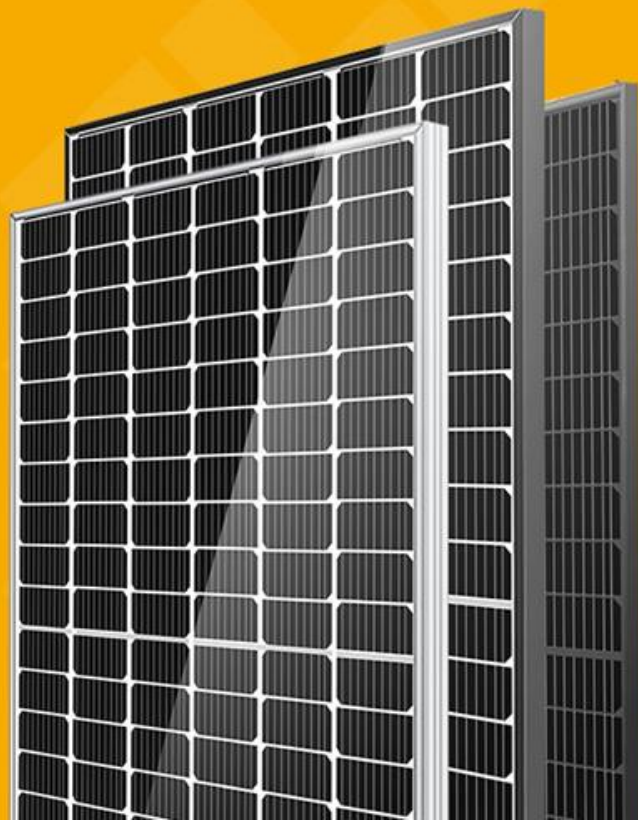


• LP158*158-M-72-H 390-415W

Monocrystalline

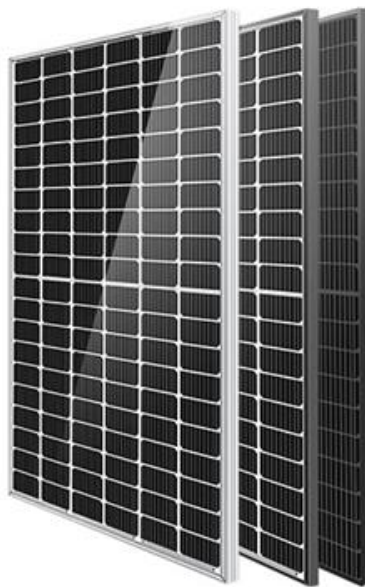


Monocrystalline PRODUCTS



166mm Cell Size — 9BB Half-Cell Series

- 9BB Half-Cell, More uniform current collection capability
- Fall down mismatch effect
- 166mm*166mm cell size, higher power
- Reduce internal current loss
- More spectrum response, more output



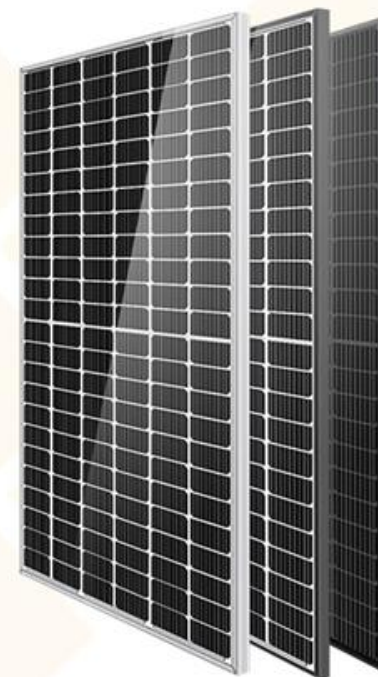
• LP166*166-M-60-MH 360-380W

Monocrystalline



• LP166*166-M-66-MH 400-420W

Monocrystalline

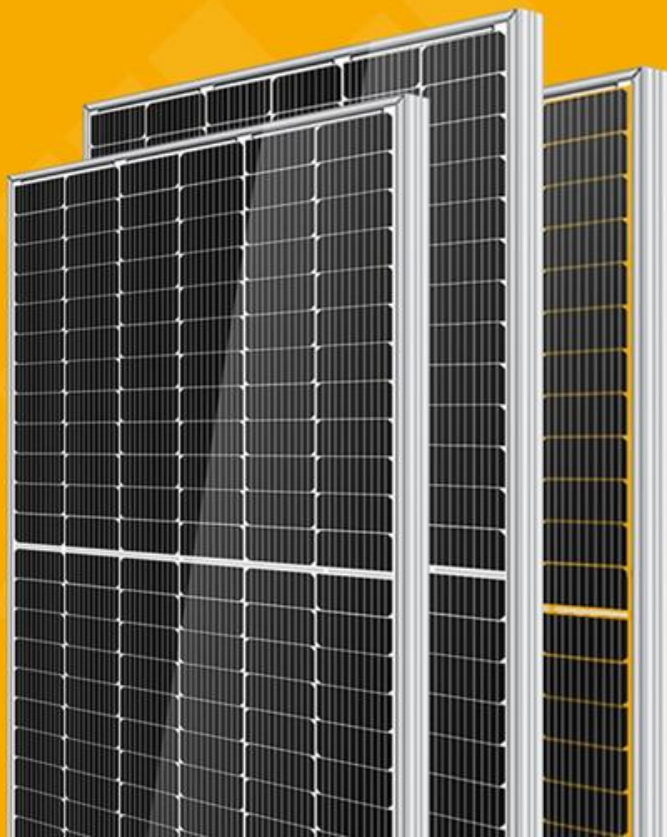


• LP166*166-M-72-MH 430-450W

Monocrystalline

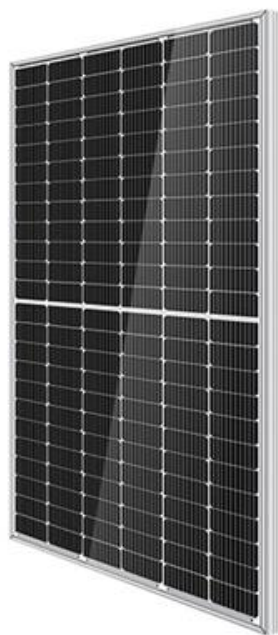


Monocrystalline PRODUCTS



182mm Cell Size — MBB Half-Cell Series

- MBB Half-Cell, lower internal current, lower internal resistance loss.
- Fall down mismatch effect
- 182mm*182mm cell size, higher power
- Reduce internal current loss
- More spectrum response, more output



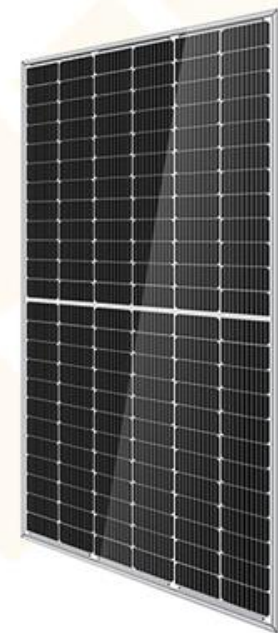
• LP182*182-M-72-MH 530-550W

Monocrystalline



• LP182*182-M-78-MH 580-600W

Monocrystalline



• LP182*182-M-72-MB 530-545W

Monocrystalline

Bifacial Double Glass

PRODUCT CERTIFICATION



• J-PEC Product



IEC TS 62804-1: 2015
PID Testing



IEC 61215-2: 2016
IEC 61703-1: 2016
IEC 61730-2: 2016



IEC 61701: 2011
Salt mist corrosion testing



IEC 62716: 2013
Ammonia Corrosion



FULL AUTOMATIC WORKSHOP

With a fully enclosed workshop, Leapton Energy full automated production ensure product quality and reliability.





ADVANCED EQUIPMENTS

Integration of the latest technology, advanced equipments and facilities.

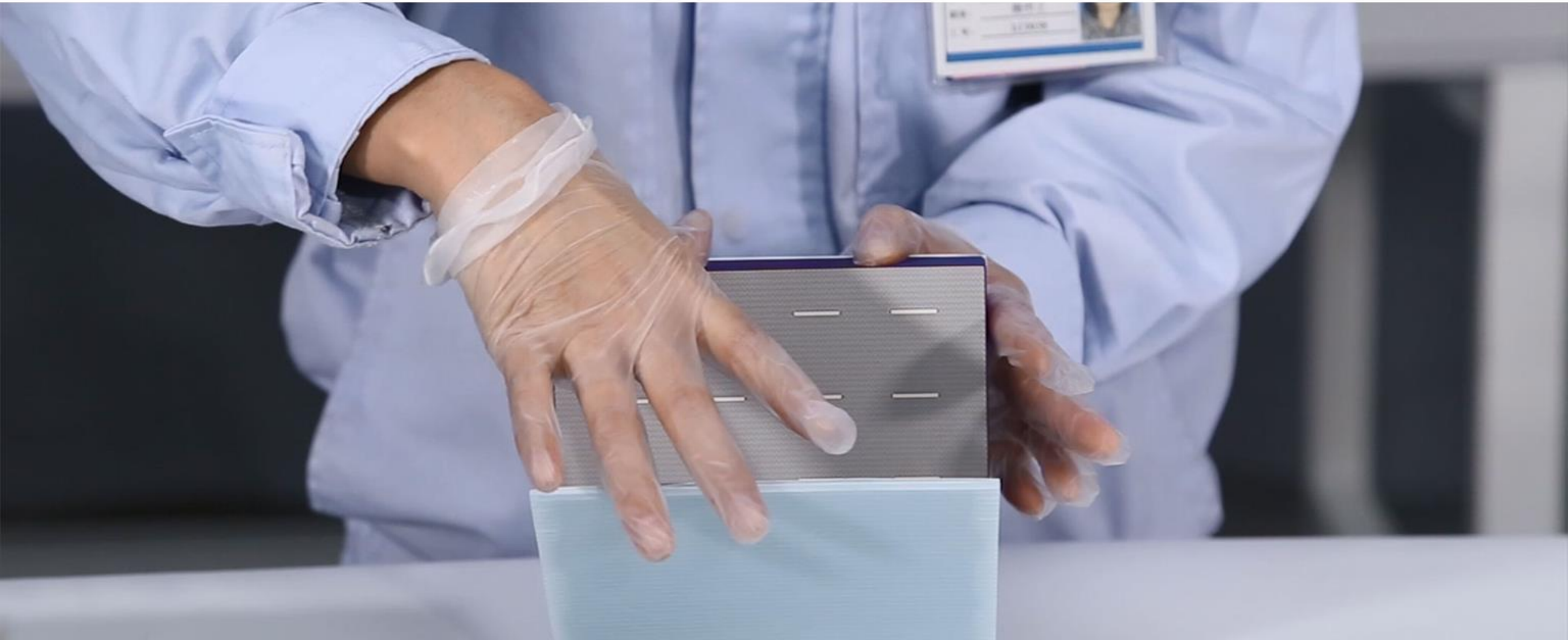


SUPPLIERS

BEST SUPPLIERS

Supply Chain Quality Control

Leapton conducts periodic deep dive due diligence on our materials and materials suppliers to ensure that we are receiving the highest quality products. We focus on raw material, facility management, equipment monitoring, visual inspections, conductivity analysis, and reliability tests.





PRODUCT TRACEABILITY MANAGEMENT

Each manufacturing process is recorded by MES system, so the raw materials, the operators, and the production time of each PV module can be traced.



The raw materials



The operator



The date of production



TESTING

TESTING EQUIPMENTS

Professional laboratory test equipment to check the product tension, adhesive, lamination temperature, humidity, resistivity eta.



ON TIME DELIVERY

Leapton products are produced 24 hours per day and we have a capacity of 1GW per year, which will be increased to 3GW per year when the new plant is completed.



WAREHOUSE



📍 **Changshu, China**

Leapton's warehouse in China, storage capacity 40MW.



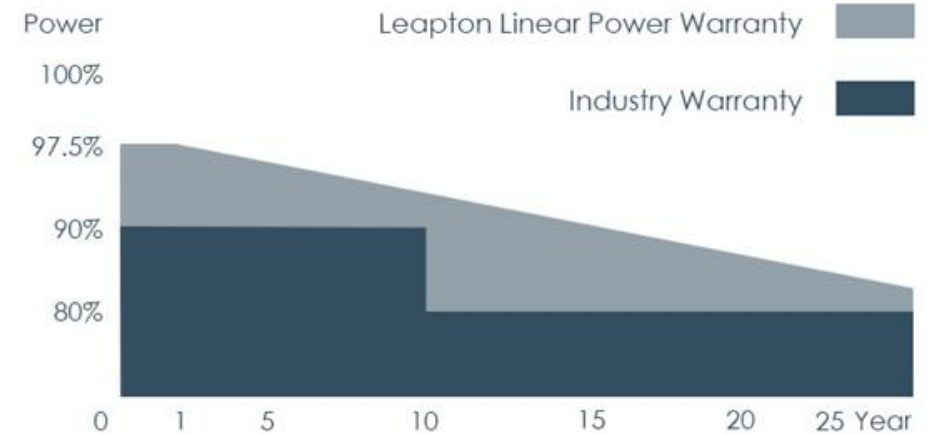
📍 **Rotterdam, the Netherlands**

Leapton's Rotterdam bonded warehouse for the European market, storage capacity 10MW.

WARRANTY

15 Years Quality Warranty

Leapton promises that our PV module will be ready to repair or replace within 15 years. You can use our products safely for more than 15 years! The power decline rate of leapton solar module is significantly lower than that of other brands of PV module.





PROJECTS

PROJECTS

30MW

📍 Pavagada, India

Date: 2019



20.5MW

📍 Alma-Ata, Kazakhstan

Date: 2019



3MW

📍 Ho chi minh city, Vietnam

Date: 2019



1MW

📍 Ho chi minh city, Vietnam

Date: 2019



2MW

📍 EVN's subsidiaries, Vietnam

Date: 2019



2MW

📍 Hokkaido, Japan

Date: 2019



2MW

📍 Miyagi prefecture, Japan

Date: 2019



1MW

📍 Grudna Górna, Poland

Date: 2020



1.8MW

📍 Echizen City, Fukui Prefecture, Japan

Date: 2020



2.1MW

📍 Ayabe-shi, Kyoto Prefecture, Japan

Date: 2020



2MW

📍 Hirado, Nagasaki, Japan

Date: 2020



640KW

📍 Kumagaya City, Saitama, Japan

Date: 2020



500KW

📍 Matsuura, Nagasaki, Japan

Date: 2020





ROOFTOP SOLAR PROJECTS



220KW **Netherlands** **2019**



200KW **Vietnam** **2018**



800KW **Australia** **2020**



750KW **Germany** **2019**

An aerial photograph of a vast solar farm at dusk or dawn. The solar panels are arranged in neat, diagonal rows across a flat, arid landscape. A semi-transparent diamond-shaped grid pattern is overlaid on the right side of the image. The sky is a deep, dark blue.

THANK YOU

LEARN MORE ON WWW.LEAPTONPV.COM

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