



**ASTRONERGY**

# NEWSLETTER

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## **Astronergy Won a Contract to Supply 93.4MW of Solar Modules**

Astronergy successfully won a bidding to supply 93.4 MW of PV modules to a project in Zhejiang province.

The project is located in Changxing County, in the northwest of Zhejiang province. The project will use 72 series monocrystalline PV module with output of each module more than 335Wp and total project capacity reaches 93.4MWp .

The bidding process was launched online. After rounds of bidding among many strong

players, Astronergy finally won the bidding with the best offer in terms of output, warranty and services. The online bidding system improved the efficiency significantly.

“The great development in Chinese market delivered many opportunities to Astronergy. We will be committed to R&D of high-efficiency PV modules and provide the best products and services to our customers around the world.” Dr. Lu, Chuan, the Astronergy CEO commented.

## Astronergy Completed A 16.5MWp Solar Power Station in Jeju Island

Astronergy announced the successful completion of a solar power station with an installed capacity of 16.5MWp located in Jeju Island, Republic of Korea.

Jeju Island is located 82km south of the Korean peninsula and is the warmest place with the best irradiation conditions in Republic of Korea. The solar power station, which occupies an area of 680,000m<sup>2</sup>, can generate 20,476MWh per year and will obviously reduce the pressure of energy production in Jeju Island. For such a tremendous project, the total investment comes to 29.7 billion KRW. As the investor of the project, Astronergy also undertook the engineering, procurement and construction as well as the maintenance of the solar power station.

Jeju Island's electricity has been provided by thermal generation, causing air pollution, and submarine cables. To protect the local environment and some unstable issues of the cables under the sea, Jeju Island planned the renewable energy plant and now upon the completion looks forward to many years of sustainable energy production.

"Astronergy has strong presence in the Republic of Korea market and our local team made great achievements. The Jeju Island project will not only generate clean energy, but also attract many visitors in the future," Dr. Lu, Chuan, the Astronergy CEO commented.



## Astronergy to Install Rooftop PV System on Hangzhou Government Buildings

Astronergy will install the rooftop PV power plants for the Hangzhou government after winning the bidding. As the first governmental energy management project, Astronergy will take all the responsibility of construction, operation as well as all the maintenance.

The whole investment will be taken by Astronergy and there is no burden to the local government. All future income comes from the sales for electricity generated by the power plants

As a landmark of Hangzhou city, the construction of the rooftop systems indicates the government's decision to reduce carbon emis-

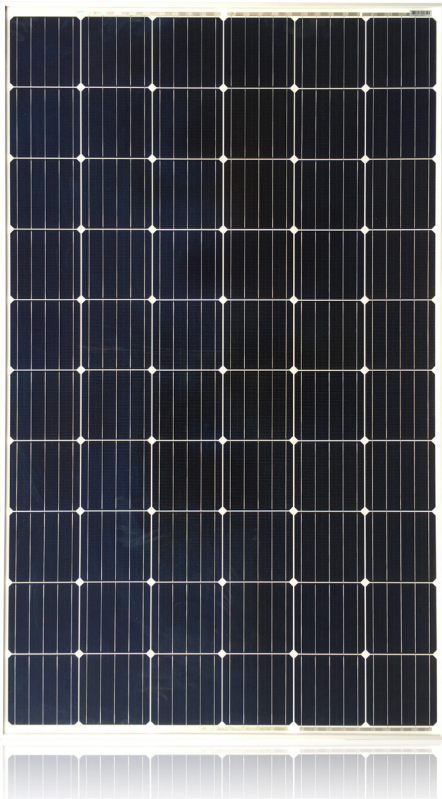
sion and effort to transfer to green energy.

The total PV system will reach 1.2MWp and the accumulative power generation is expected to be 23.82 million kWh in 25 years.

"To build a green city is a target of Hangzhou Government. The successful mechanism of the power system investment will be a good example to other local public institutions. Astronergy will devote more in developing PV projects in local market." Astronergy CEO Dr. Lu, Chuan said.



# Astronergy to Launch Mass Production of 5-Busbar Products



Astronergy is to launch mass production of 5-Busbar PV cells and modules which signifies another great achievement of Astronergy.

As an important part of solar cells, the busbar is to collect the current more effectively and to reduce the current loss during the transmission. 5-busbar can meet that target with better performance than 4-busbar series.

5-busbar also decreases the width of each busbar, which means to reduce the total covering area and provides better mechanical stress endurance.

“Astronergy is focused on the development of cutting-edge technology. The mass production of 5-busbar products marks Astronergy’ s effort in making differences in the industry.” Commented by Astronergy’ s CEO, Dr. Lu, Chuan.

## Astronergy Exhibited at PV EXPO in Tokyo

PV EXPO is one of the most important trade events in solar industry. Astronergy brought its new products to the event and many customers stopped by the booth to discuss potential opportunities to cooperate.



# Astronergy 72-Cell Poly Products Passed the 1500V PID Double-Aging Test

Astronergy 72-Cell poly products passed the 1500V PID double-aging test conducted by DNV GL, the third-party test institution in the USA.

The result shows the power attenuation of Astronergy's polycrystalline module is only 0.38%, which is far lower than the industrial standard as 5%.

The testing condition of this PID testing was quite rigorous, which required the achievements of both 1500V system voltage standard and strict PID testing standard.

DNV GL is one of the most famous Photovoltaic Laboratory around the world. Passing the test indicates the high reliability of Astronergy's PV modules.



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