



Empower the World
with Photovoltaics



CHINT SOLAR (ZHEJIANG) CO., Ltd.

ADD: 1335 Bin'an Rd, Binjiang District, Hangzhou
310052, P.R.China

TEL: +86-571-5603 2340
FAX: +86-571-5603 2383
Email: sales@astronergy.com



www.astronergy.com

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Clean Energy for a Cleaner World

All of us at Astronergy share a common dream: to move the world away from conventional fuels toward clean, reliable and sustainable sources of renewable energy. We take pride in our commitment to innovation as exemplified by our technical leadership in our monocrystalline and polycrystalline photovoltaics and our a-Si/ μ -Si thin film.

With support from our parent company, the Chint Group, we have become a global total solutions provider for photovoltaic systems. By offering not only solar modules but also a complete list of balance of system components, we are the first in the industry to provide customized PV solutions to satisfy a variety of photovoltaic needs, all from a single source.

Our persistence in reducing the cost and encouraging the use of solar energy will ultimately contribute to our vision of a more sustainable world.

Empower the world with photovoltaics!





The Chint Group: Over 25 Years with a Name You Trust

The Top Supplier in China's Low Voltage Electrical Industry

Founded in 1984, the Chint Group has provided millions of customers with reliable solutions and the highest quality technical support for over twenty-five years. From the Three Gorges Dam to the Qinghai-Tibet Railway, from the 2008 Beijing Olympics to the 2010 Shanghai World Expo, the Chint Group's products and services have earned a strong reputation in China's many regions. Its expansive business covers high and low voltage electrical equipment, PV systems and systems components, instruments and meters, electrical systems for the construction and automotive industries, as well as industrial automation. With over two thousand domestic distribution centers and more than fifty sales organizations abroad, the Chint Group's global reach makes it one of the most comprehensive enterprises in China.

The products and services provided by Chint and Astronergy are backed by decades of experience along the entire value chain. With combined expertise in power generation and photovoltaics, we are able to build cleaner and more affordable photovoltaic products and systems.

Chint Electric Successfully Presents IPO on Shanghai Stock Exchange

Chint Electric, a subsidiary of the Chint Group, was successfully listed on the Shanghai Stock Exchange (601877) in January, 2010, with a market cap of USD 25 billion.



Management Team

The members of Astronergy's management team have spent their careers pursuing innovation in solar technologies. With a shared goal of low-cost, clean renewable energy, they have brought decades of experience to Astronergy, dedicating their efforts to the success of the company and the greater PV industry.



Mr. Cunhui Nan Chairman of the Board

- Founder of the Chint Group
- Member of the Chinese National People's Congress
- 2002 CCTV Economic Person of the Year



Dr. Liyou Yang President and CEO

- Ph.D. from Rutgers, State University of New Jersey
- Co-founder of Astronergy
- Former Head of Thin Film Research at BP Solar



Dr. Weinan Jiang Vice President and COO

- Ph.D. from University of California, Santa Barbara
- Formerly worked in senior management roles at Grace Semiconductor, Lam Research, and Applied Materials



Dr. Theodore Zhou Chief Scientist

- Ph. D. from Brown University
- Former Head of Technological Research at First Solar



Mr. Alan Yuan Vice President and CMO

- MBA from Rutgers, State University of New Jersey
- Former Vice President of Sales at Solarfun Power



Dr. Jian Ding Vice President

- Ph.D. from University of California, Berkeley
- Formerly worked in senior management roles at MKS, NMC, and Applied Materials

We Do Quality

When it comes to quality management, we make no compromises

Our products face rigorous inspections and undergo multiple rounds of testing to ensure durability under the harshest conditions. The quality of our solar panels is monitored every step of the way and not just on the way out, allowing us to transfer a superior degree of transparency and value to our customers. Our MES system tracks information along the entire production line, from purchase order to product delivery. The ability to respond to issues in real-time by providing precise data and reports for our engineers and management team allows Astronergy's quality management processes to be unrivaled in mainland China. Using this system, we've shortened our production cycles, improved our compliance rates and cut down on scrap material. With the ability to trace the whereabouts of all of our products, even after distribution, our customers can rest assured that they're getting an exceptional product with quality service for the life of their panels.

Our world-class production processes, industry-leading technology and uncompromising quality management have enabled us to obtain TUV, UL, IEC, CE and CGC certifications. In addition, we have implemented the ISO 9001 quality assurance system. Having delivered the benefits of solar power to customers around the world, we have confidence in our products and stand behind the quality of every last solar cell.



A Complete PV Module Product Line

Efficient production processes, lower energy costs,
global market development

Astronergy is a provider of monocrystalline modules, polycrystalline modules, and high efficiency a-Si/ μ c-Si tandem junction thin film modules. We have the most complete PV product line in mainland China.

Our monocrystalline PV modules, with available wattages between 75 W and 240 W, and our polycrystalline PV modules, with available wattages between 190 W and 275 W, are applicable to a wide array of photovoltaic projects. The use of high transparency glass and anti-reflective coating makes our modules more conducive to light absorption.

Our proprietary expertise in thin film process technology, combined with our partnership with leading thin film equipment manufacturer Oerlikon, makes us a global leading manufacturer and research center for a-Si/ μ c-Si thin film. We have reached a stabilized efficiency of 9%, with our research and development teams on a continuous pursuit for innovation. The thin film technology that we utilize is able to take advantage of the existing semiconductor manufacturing infrastructure, allowing us to become the first large-scale producer in China, with an annual capacity of 30 MW. Able to perform better than crystalline silicon PV under high temperature and low light conditions, its versatility makes it ideal in a number of different applications.

Our thin film PV production lines use state-of-the-art Oerlikon Solar equipments. Oerlikon Solar has over 10 years of experience in their production of precision manufacturing equipments. Based in Switzerland, Oerlikon Solar has over 750 employees in 13 locations worldwide.

oerlikon
solar



A Total Solutions Provider

Quality products and service, from solar cell to solar system

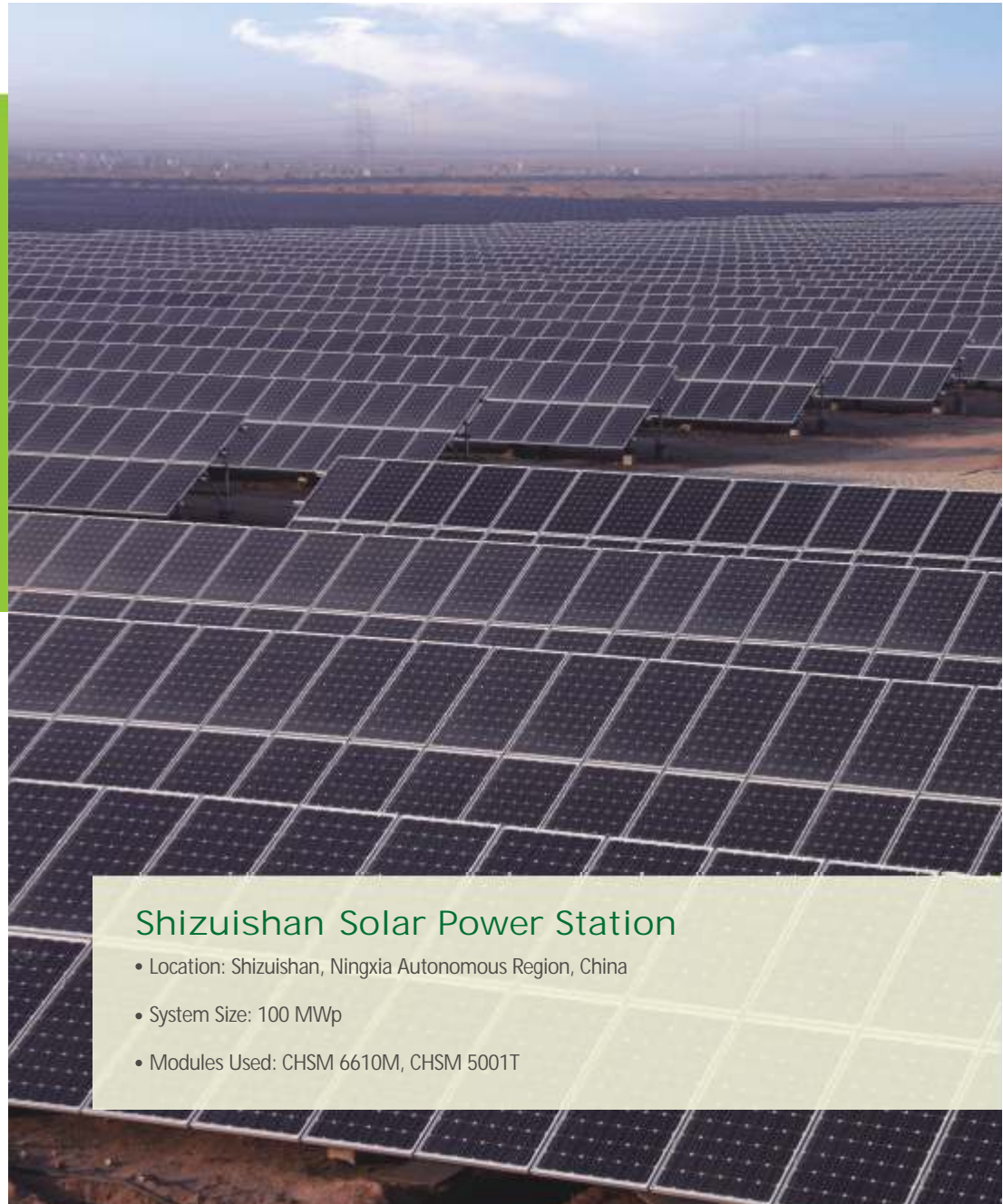
The collaborative efforts of Astronergy and its parent company, the Chint Group, will allow Astronergy's high-performance thin film and crystalline PV to be paired with an entire series of Chint products including inverters, array combiner boxes, DC protection, AC protection, and transformers. This unique relationship provides customers with quality products and quality service from solar cell to solar system.

We are taking the next step in bringing solar to grid parity by pursuing more cost-effective strategies to set up solar systems. With the opportunity to purchase an entire family of PV system components, we are offering an integrated system, the convenience of one source and the service to back it up.



Reference Projects

We are dedicated to the use of advanced technology as a means to better our shared natural environment. Through large-scale, grid-connected PV systems, through building integrated photovoltaic modules, through municipal lighting programs, and through supplying clean, cheap electricity to remote areas, Astronergy stands ready to turn photovoltaic dreams into reality.



Shizuishan Solar Power Station

- Location: Shizuishan, Ningxia Autonomous Region, China
- System Size: 100 MWp
- Modules Used: CHSM 6610M, CHSM 5001T



PV Fossil/ FESCO Power Station

- Location: Eggstatt/Bayern, Germany
- System Size: 522 KWp
- Modules Used: CHSM 6610M

Casablanca Water Treatment Plant

- Location: Zaragoza, Spain
- System Size: 2.35 MWp
- Modules Used: CHSM 6610M



Hangzhou Zhongnan Building

- Location: Hangzhou, Zhejiang Province, China
- System Size: 100KWp
- Modules Used: BIPV

We Do Quality

For more information about our projects, please visit our website : www.astronergy.com

Astronergy Worldwide

Combining cutting-edge technology and the PV industry's top talent, Astronergy brings quality products and superior service to customers around the world. With a presence in both developed and emerging global markets, we are able to meet our customers' needs in a timely manner, with fast, localized, and customized services. The solution to any problem is never more than a phone call away.

Astronergy has representatives in China, the United States, and Australia, and has established partnerships or setup projects in Canada, Germany, Spain, France, Italy, Belgium, Korea, Malaysia, Indonesia and Angola. We are working with well-known local enterprises to promote the development of the photovoltaic industry.



Corporate Headquarters

1335 Binan Road , Binjiang District
Hangzhou, Zhejiang Province, 310053
People's Republic of China
Tel: +86 571 5603 1888
Fax: +86 571 5603 2383

North America

4633 Old Ironsides Drive
Suite 402, Santa Clara, CA 95054
USA
Tel: +01 408 855 8932
Fax: +01 408 855 8932

Korea

Astronergy Solar Korea
1510 Suseo Tower, 725 Suseo, Gangnam
Seoul, Korea
Tel: +82 2 2226 3911
Fax: +82 2 2226 3910

Germany

Astronergy Solar Deutschland GmbH
Tel: + 49 7661 90 45 71

Spain

Astronergy Solar Spain
Tel : + 34 695 5989 70

For all sales inquiries, please contact us at: sales@astronergy.com