

www.dch-group.de



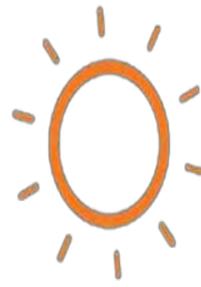
Company Profile

Together for a better life



OUR MISSION

Looking for value-added partner with same idea and bring up to full strength of advantages to jointly develop Green Energy business of clean, sustainable and environment friendly electricity generation which creates long term benefits to shareholders, employees, stakeholders and our environment.



Our Vision

To put our share in transforming the world of energy by delivering clean and affordable energy to people around the globe. The key focus of our vision is developing countries; where we want to integrate renewable energy as part of the key infrastructure for economic growth and social stability; at same time providing decent return to the partners and investors

Why go solar?



Save Money

You are generating a portion of your own electricity instead of buying it from the grid.



Clean Energy

Solar power systems produce significantly less carbon emissions than fossil fuel.

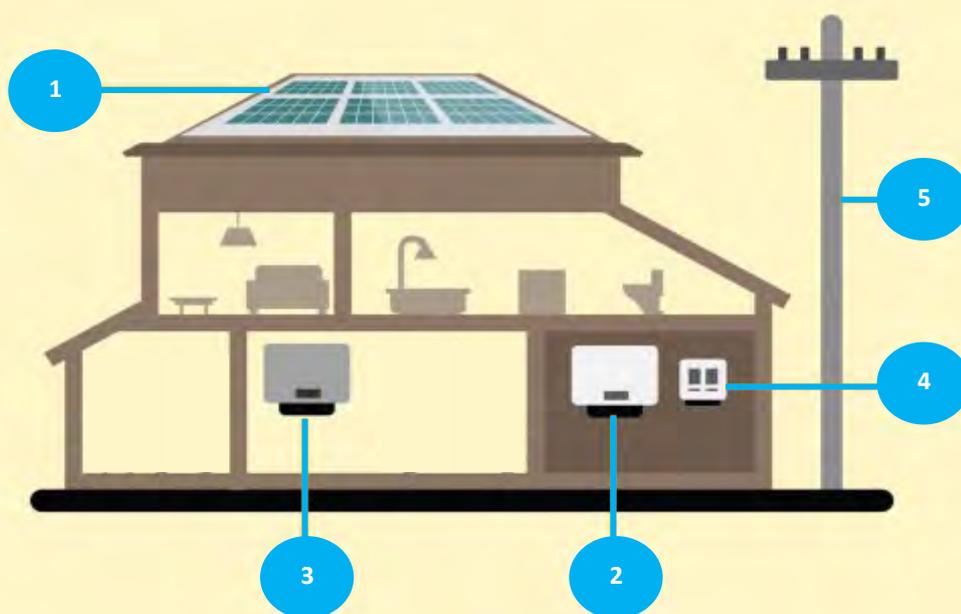


Increase the value of your home

Solar power savings can make your home more attractive to potential buyers.

How Solar Energy System Works?

- 1 Solar panels turn sunlight into DC energy
- 2 Inverter converts the DC energy to AC electricity
- 3 Service panel distributes power where needed through your home
- 4 Utility meters track energy produced and energy used
- 5 Grid connection ensures access to continuous power at light





Company Overview

DCH Energy since its establishment in Germany has achieved a recognizable position as photovoltaic technology and solution provider through a number of investments in Germany. Both the components and engineering used by DCH Energy are recognized worldwide. In the development of the projects, not only the construction management and operation are performed according to international standards, but the DKB bank, the largest financing institute in Germany has also financially approved DCH Energy Products and technology for a number of projects. So far, DCH Energy has completed number

of projects of different sizes in Germany, Asia, Africa and Caribbean as part of its technology and experience initiative. The team of DCH Energy is highly qualified and experienced both for European and Worldwide projects.

DCH Energy also owns solar assets in Europe, Asia and Africa. We have a global presence with more than 400 MWp of fully operational PV projects, including both ground mounted and rooftop solar projects. Our capabilities span the full PV supply chain, from wafer-module production to turnkey installation and financing.

15 Years

Experience since 2005

400 MWp

Installed Capacity

30 Countries

300 Employees



VALUE PROPOSITIONS



Quality

As part of continual improvement DCH Energy is committed to providing innovative World-Class quality products and services that meet or exceed the expectations of our customers. Using the latest technologies, coordinating with national and international scientific resources and following the national and international standards are our success tools to export nationally and internationally.

We believe that the customer is the core process in our quality management system, since we are dedicated to provide the best, maintain and enhance our customer satisfaction, in addition of involving all employees in supplying quality products and services.

Quality Control is a key to the successful installation and operation of a solar project. Quality assurance eliminates as many defects and challenges as possible from design and installation. Performing QA on the PV system will give the PV team a competitive edge during the installation of any solar project.



Price Competitiveness

Competitive prices in all project ranges. Flexible paying methods compatible to each finance approval. The company's goal is to achieve the best quality / price relation, using economies of scale in favor of the investor.





Manufacturing

DCH Energy covers the whole production chain from the ingot production through ready-made solar power modules. In addition, DCH Energy has become a leading manufacturer in the PC industry, not least because of our successful business model that includes the in-house production of ingots, wafers, cells and modules. We manufacture our own poly – or mono crystalline PV-modules in modern production facilities, using stringent quality controls. By utilizing our extensive experience, our deep production knowledge and our permanent control of the complete value chain, we can assure highest levels of quality and performance. The control and efficiency achieved through this integrated value chain help to continuously improve the production process and to provide our customers with the highest quality and cost-effective products. DCH Energy can provide the customers 10 years German product warranty of the components and 25 years warranty for a performance drop of max. 20 %.



Technologies Provided

DCH Energy can provide different types of solar solution to achieve the demand of the customer with a cost-effective and technically qualified solutions. According to our highly qualified team worldwide and along experience gained from solar over more than 15 years, the following applications can be provided:

- On-grid Solar PV systems
- Off-grid solar PV systems
- Hybrid systems
- LED light systems



Services

- Delivery of PV-materials to OEM's for the production of PV modules and PV cells
- Production of PV-modules for OEM's
- Delivery of PV-components to wholesalers
- EPC- services for ground-based PV- installations
- EPC- services for roof-mounted PV- installations
- EPC - services for LED projects
- Delivery of LED-components to wholesalers
- Installation, operation and maintenance of PV-plants all over the world.



NEEDS ANALYSIS



SYSTEM DESIGN

EQUIPMENT SUPPLY

INSTALLATION



MAINTENANCE

DCH Energy offers the PV market a wide range of Solar solutions, therefore covering the entire spectrum of needs that customers may have in photovoltaic systems. Our portfolio includes:

PV Modules

Monocrystalline silicon solar module utilizes Monocrystalline silicon solar cells with high efficiency, low attenuation, good reliability and long life-span. The module's efficiency which are provided by DCH Energy can reach up to 19.78% with a capacity of 400 Wp.

Cables

Cables that are used by DCH Energy for both DC and AC sides have a high quality with different cross areas. Usually DCH Energy supply a made in Germany cables which also meets the world standards

Inverters

Huawei and Sofarsolar are leaders in supplying of inverters and has extensive expertise in connecting the PV system to medium voltage range worldwide. DCH Energy usually supply Huawei and Sofarsolar inverters with different capacities for PV Projects.

Mounting Structure

DCH Energy have different mounting Structure solutions that meet the requirements to achieve the highest efficient project. While the rugged durability of the mount structure contributes to its long service life and the availability of different tilt options. The advantages of using the proposed Mounting Structure are as follow:

Storage System

- Multi-level energy management, longer battery life
- One-button switch machine, more convenient operation
- Modular, ultra-thin wall hanging design, convenient installation
- Multiple parallel support, high current charge and discharge
- High BMS compatibility, perfect match of energy storage inverter
- The adoption of high-performance processors, international brand devices, better stability

- Long Lifespan
- Minimize Roof space Limitation
- Fast Installation
- Economical
- Hurricane 5 resistant

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Start saving today with

DCH Group

As an energy provider, we understand how you use electricity better than anyone. We can design a renewable energy solution that's right for your needs and budget.

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