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PRODUTOS / MÁQUINAS

Silicon to Systems: Complete Solar Value Chain

CETC Solar Energy is comprised of two manufacturing sites. Combined, it covers the entire solar energy manufacturing chain, from raw silicon to complete solar electric systems. Very few solar electric companies in the world can make the claim of being a fully integrated manufacturer. Most have to rely on outside sources of supply for wafers, cells, laminates, or solar panels. A company who is fully integrated, such as CETC Solar Energy, has full control over the manufacturing of their product, from beginning to end. It is complete ownership of the product, in strictly controlled manufacturing environments, that ensures our customers will receive quality products which will produce clean energy for decades. Solar cells / PV manufacturing equipments / Solar cell production line The business division "Cells" that has been attached to the subsidiaries Beijing Zhongkexin Electronics Equipment Co., Ltd. and Hunan Redsolar Renewable Energy Technology Co., Ltd. produces solar cells from the preliminary product solar silicon wafer. The cells have all the required technical characteristics to generate electricity from sunlight. The company produces both mono-crystalline and multi-crystalline solar cells. Solar modules In the business division "Modules" solar cells are made into larger units - the modules - by putting them together, framing them and encapsulating them in weatherproof manner. The solar energy modules are the solar end products, ready for the generation of power and feeding it into the mains and / or for direct supply to consumers. The module manufacture is undertaken at the subsidiaries The 48th Institute of China Electronics Technology Group Corporation (CETC) and Beijing Zhongkexin Electronics Equipment Co., Ltd. The company manufactures modules for power applications that comply with the three centralized and worldwide applicable standards IEC 61215, UL 1703 and the Safety Class II for solar power modules connected to the mains supply. Applications: Solar PV system / Solar power plant What are the components required to generate electrical power directly on the rooftop? CETC Solar Energy has supplied kits many years ago. These PV complete systems have all that the electrician requires for his customers - modules, inverter and racks. In addition to this, suitable bolts and nuts. Even wiring and mounting diagrams are a part of the system. These kits are made of high-quality materials and have been conceived and designed for use in various countries. The alternative to the kit is the solar roof. In this case the photovoltaic plant replaces the rooftop cover. Instead of a conventional cover the roof is fitted with solar laminates and delivers clean energy from the sun. Whether a new construction or renovation: The solar rooftop can be integrated as a complete roof or as an in-roof solution. CETC Solar Energy has developed solar power plants for large open areas. The panels that are made up of many modules, track the sun like a sunflower - and thus have a higher energy output than the conventional, fixed systems.

Company Profile of CETC Solar Energy Holdings Co., Ltd

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