

Where are Norsun solar cells made?

NorSun's state-of-the-art production facility in Årdal, Norway, is run on green electricity from hydropower. The facility currently has an ingot and wafer slicing capacity of approximately 400 MW. NorSun wafers have a high minority carrier lifetime, and thus make highly efficient solar cells.

Is Norsun a crystalline silicon wafer?

NorSun manufactures superclean monocrystalline silicon wafers for use in high-efficiency solar cells. The company uses premium polysilicon in combination with semiconductor-based crystal growing technology, meaning that NorSun wafers have low levels of co-doping, carbon, metals and crystalline defects.

Is Norway a good place to buy solar panels?

In Norway, we have done a good job of developing technology to extract silicon with a purity of 99.99999 per cent or more," he says. A good example of the growing Norwegian solar business is NorSun, a leading supplier of premium mono-crystalline silicon wafers.

What is the best material for solar cells?

And when it comes to manufacturing solar cells, Norwegian silicon is the world's best material. "In order to manufacture pure silicon, the process of converting the raw material must be energy efficient, and the power used in the process must be clean. Norway delivers on both these points.

Why is Norsun expanding its manufacturing facility in Norway?

Asia is NorSun's main export market. In response to growing demand and the significance of scalability, the company is planning to expand its manufacturing facility in Norway. Innovation and installation of eco-friendly solar power is increasing dramatically, and the demand for silicon is growing at a pace.

Can Norway become the EU's upstream partner for solar?

"Norway can become the EU's strategic upstream partner for the solar sector based on its significant expertise in manufacturing high-purity silicon, silicon ingots and wafers," he adds. "Solar power is already a very clean way of generating electricity, but there is potential to make production even more energy efficient and environmentally sound.

BELLINGHAM, Wash. (USA) / OSLO, Norway - Silfab Solar, a North American leader in photo-voltaic (PV) module manufacturing, and NorSun, an experienced Norwegian ...

NorSun is a Norwegian solar energy company that produces highly efficient monocrystalline ...

multicrystalline silicon solar cell modules G.J.M. Phylipsen E.A. Alsema a study by commission of the Netherlands Agency for Energy and the Environment, NOVEM September 1995 Report ...

Meyer Burger has signed a binding supply agreement for silicon wafers with the Norwegian manufacturer Norwegian Crystals. The polysilicon used to manufacture the wafers ...

The research within solar cell technology includes both sustainable production of silicon and the development of innovative and efficient solutions for solar cells and PV modules. The department runs the Solar Cell Laboratory at IFE, which ...

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NorSun is a Norwegian solar energy company that produces highly efficient monocrystalline silicon wafers for the global solar energy industry.

Together with IFE, Dynatec has developed a new way of manufacturing silicon for solar cells. It has been proven to grow silicon 40 times faster and with far greater energy ...

High efficiency silicon-based solar cells and modules. In order to increase solar cell and module efficiencies, new materials and processes are required.

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Today, all silicon modules contain toxic lead at 10-15 g/module. It presents an environmental hazard if it is not removed from recycling sludge before landfilling. As shown in ...

Installation of solar systems in Norway; Development and operation of utility scale solar systems; Export of sustainable silicon and wafers to be used in solar cell modules; Export of technology and solutions for floating ...

The aim of the Norwegian laboratory for silicon-based solar cell technology, is to coordinate and unify cutting-edge infrastructure into an "openlab facility" in Norway, combining facilities at ...

LONGi's HPBC 2.0 technology represents a leap in back contact solar modules, overcoming previous limitations in back contact (BC) cell designs and silicon wafer constraints. One of the major advancements by LONGi's R& D ...

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High efficiency silicon-based solar cells and modules. In order to increase solar cell and ...

During the Norwegian Solar Cell Conference there will also be a poster session in addition to the oral presentations. You are hereby invited to submit your abstract to NSCC ...

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