

# Tested in depth

SCHOTT Solar makes quality assurance a top priority. This is why all products are tested in depth before leaving the factory – including the new double glass module SCHOTT Poly 185.

➤ Proven quality for extreme weather conditions, a module extremely resistant against storm, snow and hail and with a rear glass to prevent condensation from entering. Chemical substances such as ammonia and methane, which are frequently found on farms, have no chance. Its active cell layer stays protected.

SCHOTT Solar's PV module SCHOTT Poly 185 is highly resistant against environmental influences and severe weather conditions. Only premium and durable solar modules that are capable of resisting extreme weather – such as modules by SCHOTT Solar – guarantee high energy yields and linear performances, which leads to a profitable investment for the operator.

SCHOTT Solar's history reaches back to the late 1950s. The Germany-based company is strongly committed to making use of the nearly unlimited potential of the sun's power as a renewable energy source. To put this idea into practice, the company has been active as a producer of PV modules and receivers for solar power plants with parabolic trough technology. SCHOTT Solar has established production facilities around the world and can rely on excellent and long-standing production know-how, international sales networks as well as experienced and qualified staff. All this secures SCHOTT Solar's firm position on the global market.

In its long company history, SCHOTT Solar has made the quality of its products a top priority. From the start, the company has followed highest quality standards: silicon wafers, solar cells and modules are tested in depth by the solar manufacturer based in Mainz. But SCHOTT Solar not only complies with the strict standards of IEC 61215, it has even drastically raised the bar for its products: in internal climate test, the products meet standards twice as rigorous as prescribed. In the last year, SCHOTT Solar even went one step further and launched an internal testing lab. After demonstrating its testing expertise and know-how, the company's products, processes and materials are now tested and certified according to IEC 61215, IEC 61646 and IEC 61730 standards. "The results from our labs are directly applied in the development of products. This builds the basis for a constant enhancement of our products and premium quality", says Uwe Fließner, Director Global Module Development Department at SCHOTT Solar.

Operators looking for robust modules with enhanced service life and linear performances will find



Internal tests safeguard the quality of the solar cells.

The new double glass module SCHOTT Poly 185

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that SCHOTT Solar's double glass modules are the right choice. The modules by the Mainz-based company combine more than 50 years of experience in encapsulation and cutting edge solar cell technology that stand for sustained energy yields – even under extreme conditions.

SCHOTT Solar's double glass module Poly 185 came out as the winner in a test conducted by TÜV Rheinland and Solarpraxis AG with a "very good (-)" rating. "The excellent test results tell us that we are following a successful quality strategy. Our modules provide investors and system operators with reliable planning security over the entire life cycle of their solar plants", says Dr. Martin Heming, CEO of SCHOTT Solar AG. The success of the double glass technology has been followed by the development of a new product: the compact SCHOTT Poly 185. The new module is fitted with 48 solar cells and based on the same double glass technology. Its compact size allows for an efficient installation on small rooftops. Premium quality and the use of the additional rear glass ensure that the solar module is extremely robust and has a long service life. For a double glass module, it still impresses with a relatively light weight of only 24 kg.