



EMBRACING
THE POWER OF THE SUN

LG Solar power module
www.lg-solar.com

LG Electronics, Inc. (LG) is a global leader and technology innovator in consumer electronics, mobile communications and home appliances. The company employs more than 84,000 people working in 112 operations including 81 subsidiaries around the world. With 2008 global sales of \$44.7 billion, LG consists of five business units - Home Entertainment, Mobile Communications, Home Appliance, Air Conditioning and Business Solutions. LG is one of the world's leading producers of flat panel TVs, audio and video products, mobile handsets, air conditioners and washing machines.

LG Electronics is also moving one step ahead in the environment-friendly field. In 2008, the company proclaimed its charter, 'Life's good when it's green'. LG plans to reduce greenhouse gases by 150,000 tons by the year 2020 compared to 2008 and aims to reduce greenhouse gases occurring in product usage by 30 million tons yearly. The company has strictly eliminated usage of harmful substances in its manufacturing processes and its efforts have been recognized by TÜV of Europe and UL of US. Its solar power business has also been launched on the basis of environment-friendly leadership of LG Electronics.

“Creating Value for Customers and Respecting Human Dignity.”

LG Solar

The history LG's solar business can be traced back to the mid-1980's, when the LG central research lab started R&D on solar technologies. In 2004, the LG business group consolidated several solar research laboratories under the LG Electronics umbrella to create synergy and prepare for mass production. After gaining approval by the board, LG Electronics broke ground on its LG's first solar cell and module factory, using decades of R&D experiences.

LG considers the solar power business as not a mere business expansion but a new growth engine of the LG Group. A solar industry cluster has been organized within the LG Group and is achieving vertical integration in the solar power industry. Construction and operation of a 14MW scaled solar power plant in Taean, Korea in 2008 and the supply of wafers through Siltron, a subsidiary company are good examples of this.

Twenty Years of Solar Power Research

The solar cell of LG Electronics has just seen the light of day, but research on solar power dates back more than 20 years. LG, with two business axles, LG Electronics and LG Chem, has a great foundation that makes possible the state-of-the-art technology required for solar power research. The world's best researchers are placing their utmost efforts into delivering the outcome of 20 years' research to customers.

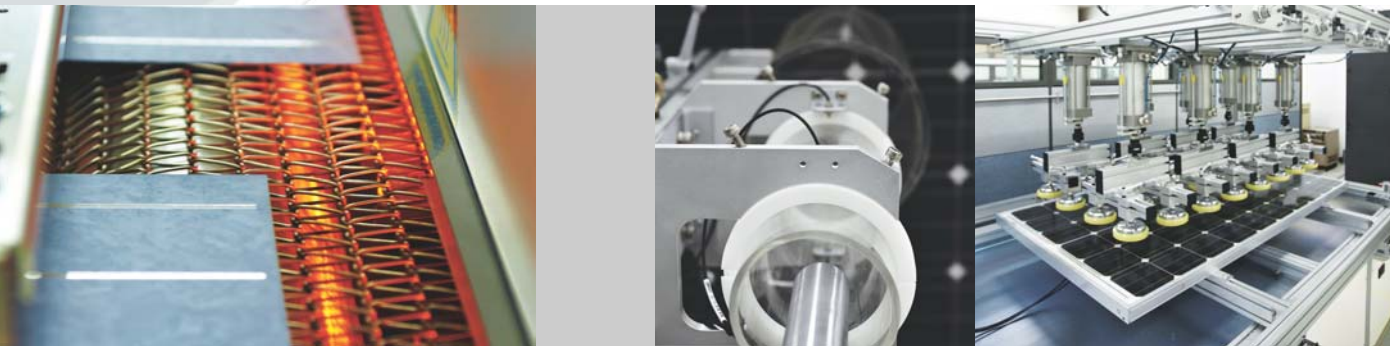
Tenacity for Quality

The tenacity for quality at LG Electronics reaches a different level. The Gateway System of LG exceeds Customer satisfaction and moves the hearts of customers by a thorough quality management system. The rigid quality standards apply equally to solar power products that require product reliability for more than 20 years.

DNA of LG Electronics

LG's management principles are, "Creating value for customers" and "Respecting human dignity." These principles are in the DNA of LG and in the genes of its constituents. Development of a brand that is reliable and loved throughout the world was only possible through the mindset of LG that the customer comes first above everything. This DNA of LG Electronics has been extended to the Solar Power Business.





R&D, Developing Innovated Products

LG Electronics has a team of more than hundred in R&D working in solar research. The R&D of LG Electronics consists of a Crystalline Cell research team, a Thin Film research team and a Module Development team. Currently it is in the process of developing a high-efficiency crystalline cell and has succeeded in product development of the world's best efficiency (11.1%) large-area (1.1m x 1.3m) thin film cells.

Production with State-of-the-Art Equipment and Skillful Technicians

The factory is located in Gumi, Korea. As a Mecca of manufacturing of the world's famous electronic products, Gumi city is abundant with numerous electronic product manufacturing companies and is well-known for skillful technicians and convenient logistics. LG Electronics use a 3-story factory building with excellent clean room facilities. Production scale in the year 2010 is 120MW and LG Electronics have plans to expand production capacity every year.

Rigid Quality Control System

LG Electronics sets its priority in the quality of its product. The Quality Assurance Process of LG processes gateway checks at every stage from development to production and if it does not meet its rigid conditions, it cannot be processed to the next stage. LG has state-of-the-art test equipment for quality, safety, and performance tests.

Certified Laboratory

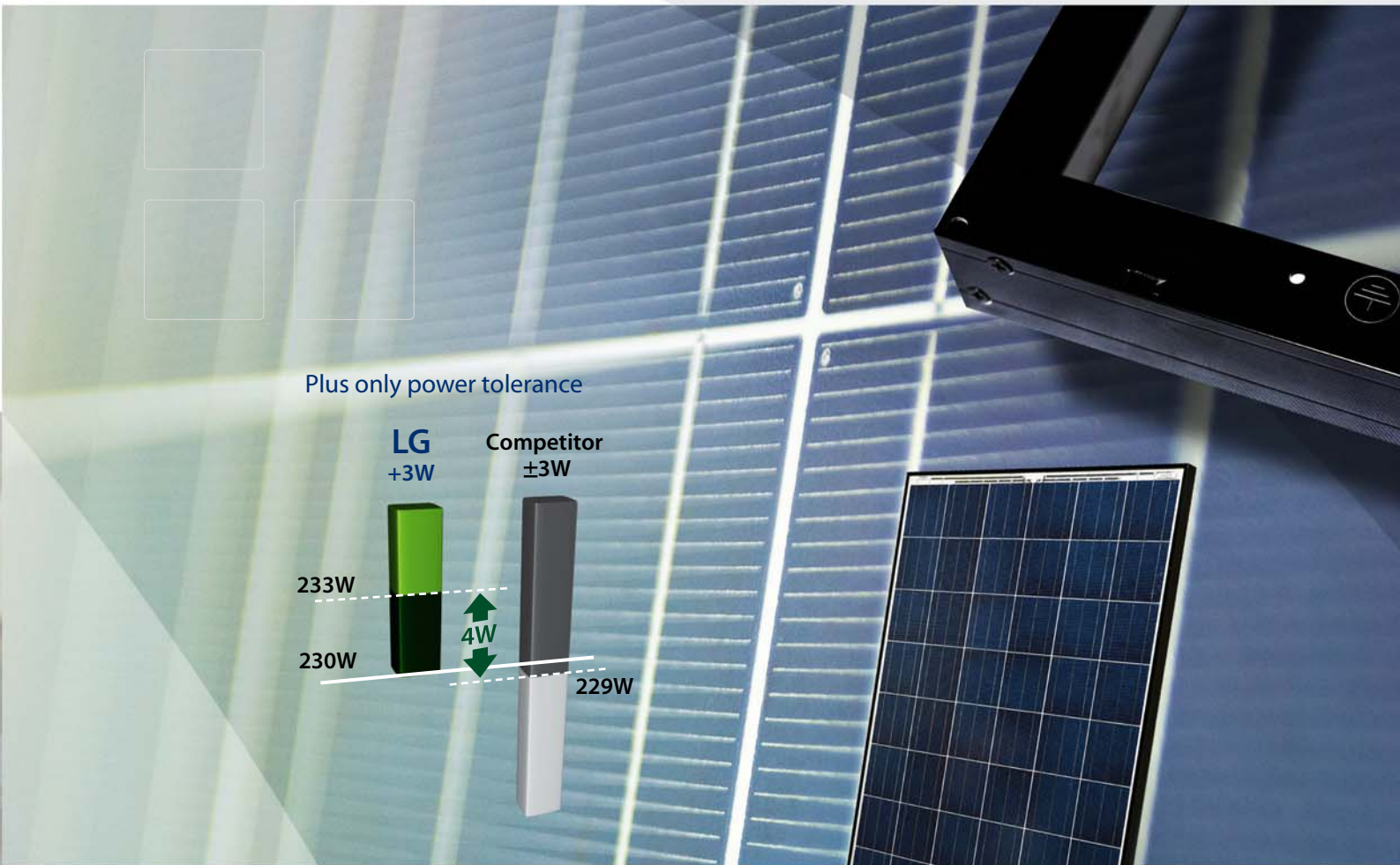
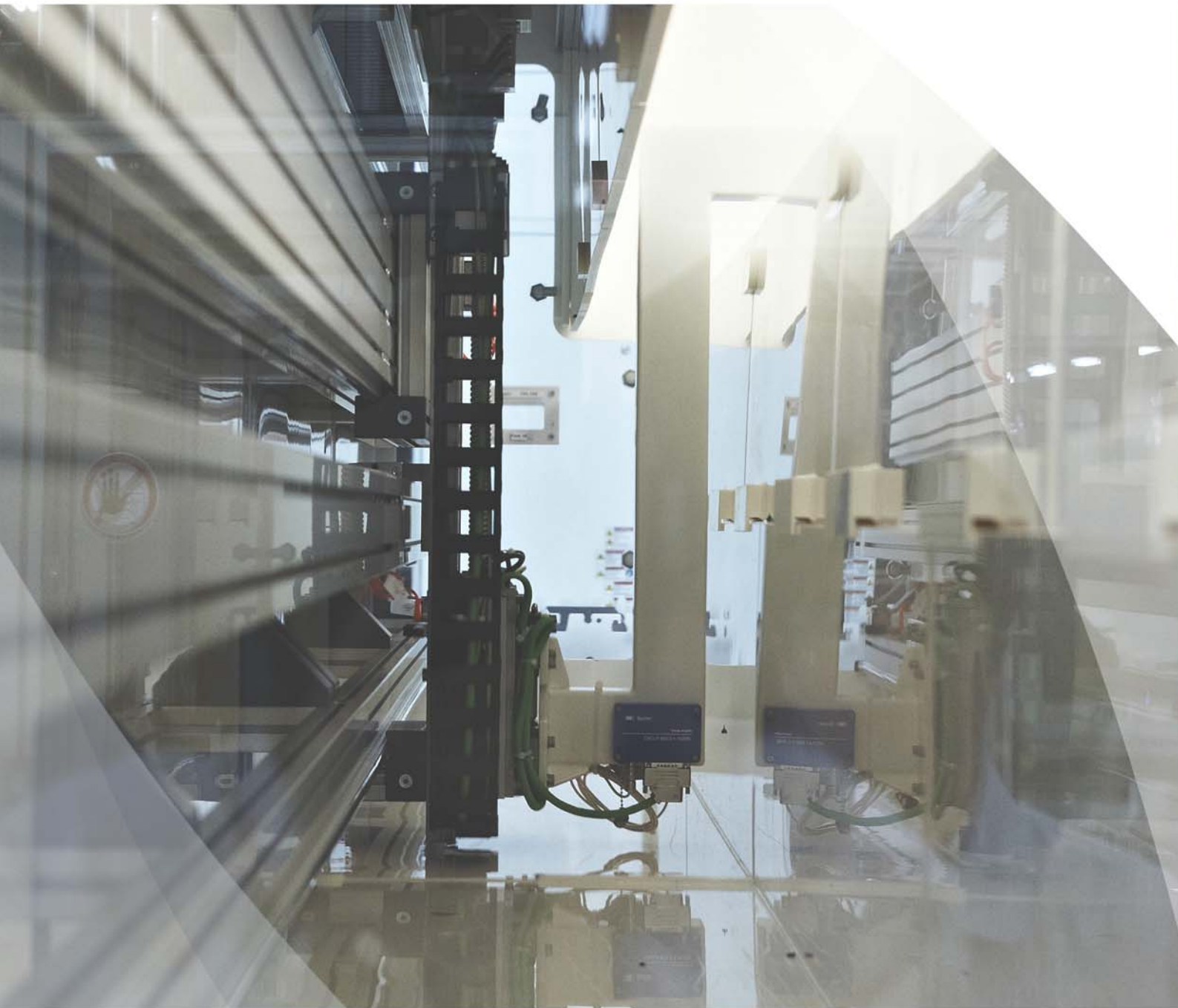
The LG laboratory is certified as a Photovoltaic testing laboratory by TÜV and UL. This is also proof that the facilities, functions and level of LG laboratories are the world's best. This is one reason why LG Electronics are able to process certification tests in such a short period of time.



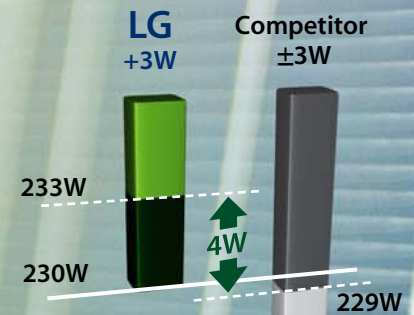
Best in Class Production and Innovative R&D

The best solar module of LG Electronics is derived from production capability consisting of R&D with the best techniques and most skillful engineers. With a basis of quality control experience accumulated over several decades, it is equipped with a thorough quality control process. As for development and manufacturing of LG, its employees have been well trained in the quality management system and are deeply rooted in it.





Plus only power tolerance



Plus only Tolerance

LG guarantees plus only power tolerance (0~+3%), which is substantial to customers' benefits. When LG 230W modules are purchased, customers will have additional benefits up to an average of 3.5W.

Strong Durability

The LG modules comes with internal mechanical load standards (5400Pa), stricter than international standards. In order to minimize damage from rain, snow and sea wind, frame anodizing is uniquely processed, and this has improved the module frame's durability.

Rigid Selection of Materials

LG applies rigid standards to material procurement, solely targeting products which have undergone previous technical analysis, laboratory tests, and field tests. All the materials for LG Electronic modules are supplied by world-recognized partners.

25-Year Commitment

The industry leading warranty program includes 5-years' product warranty and 25-years' power warranty, which guarantees power generation up to 90% over 12 years and 80% over 25 years.

[LG Solar Power Modules Products]

A solar module needs to produce electricity consistently even in harsh environmental conditions such as rain, wind, snow etc. for a period of 25 years. This makes it imperative for the modules to be made from high quality raw materials and components. In order to maximize profits for customers, LG insists on plus only tolerance and high quality material policy and is placing its utmost efforts in aesthetic design and optimal module design.

