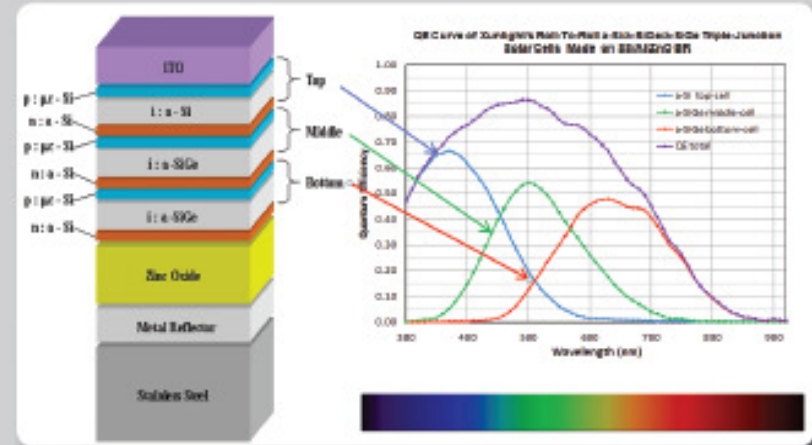


State-of-the-art, proprietary, low-cost, roll-to-roll manufacturing process.

High Technology Solar Cell

At the core of technology is the semiconductor called thin film silicon, with a triple-junction solar cell structure of over 12 layers of silicon, germanium and other materials which are used to convert sunlight into electricity at the lowest cost.



State-of-the-Art Process

utilize an industry-leading roll-to-roll manufacturing process to produce solar cell layers. In just two integrated steps, this process transforms a strip of steel three feet wide and a mile long into the largest solar cell in the world. This giant solar cell is then cut, wired, interconnected and encapsulated into finished flexible thin-film silicon PV module products.

Industry Leading Quality

Every cell in every module is 100% traceable. Dozens of process data variables are collected and monitored, allowing us to maintain strict control on quality. The company's manufacturing plants are audited by multiple independent agencies to ensure compliance is maintained.



at the forefront of innovation with its advanced photovoltaic module manufacturing technologies.

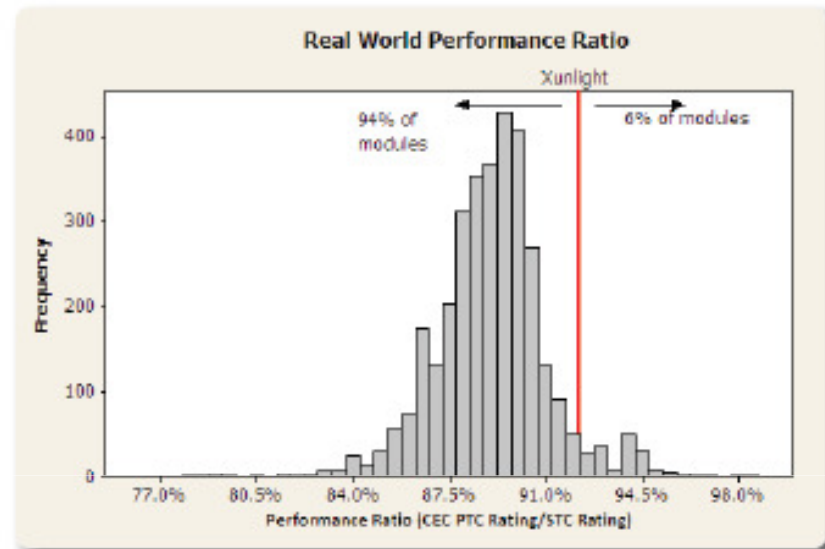
The company's principal PV products are flexible and lightweight and they utilize various thin film silicon-based alloys, including amorphous silicon (a-Si) and amorphous silicon germanium (a-SiGe). These solar cell alloys are deposited on a thin stainless steel substrate and then encapsulated in flexible lamination polymers to complete the module design.

UL/IEC certified amorphous silicon thin-film solar modules can be used for a wide variety of applications both on- and off-grid, and are backed by a 25 year power-output warranty. Our solar modules are produced using the company's innovative and patented manufacturing process and are designed to deliver high energy efficiency at a low cost for years to come.

Applications

currently offers solutions for:

- Single Ply TPO and EPDM Membrane Roofs
- Flat, Corrugated and Standing Seam Metal Roofs
- Landfill Covers
- Residential Roofs
- Off-Grid Applications



rate in top 6% of modules tested by California Energy Commission for performance under "real world" conditions.



Rooftop



Non-Traditional



Ground Mount

flexible and lightweight solar modules are based on the company's patented technology and can be used for a wide variety of applications.

Flexible

modules are produced utilizing a thin stainless steel substrate and flexible lamination polymers which equate to a thickness of ~1.5 mm. This allows our modules to be used for a wide variety of applications.

Lightweight

products (~0.5 lbs/ft² / 2.6 kg/m²) are roughly four times lighter than rigid glass based PV modules, which means they can easily be installed on rooftops that may not be able to take the weight of glass modules and their support structures without the need for costly roof reinforcement modifications.

High Performance

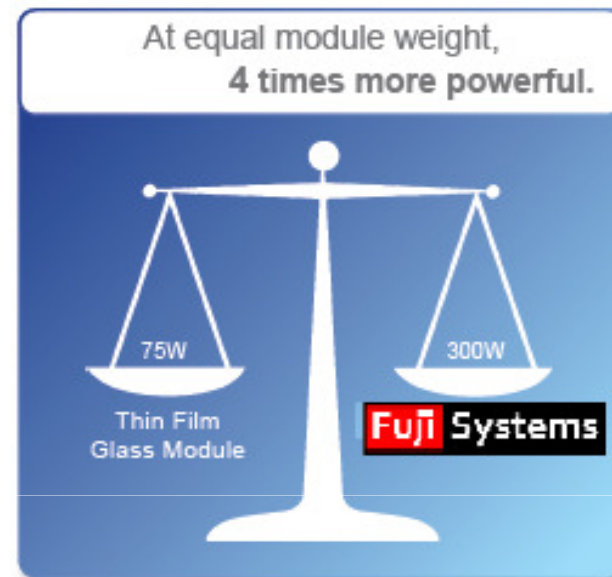
amorphous silicon based PV modules offer better power performance in actual outdoor conditions vs. some other solar technologies that currently dominate the market.

Durable

The company's modules are flexible and lightweight and do not utilize glass which make them very durable and resilient to most weather conditions.

Easy to Install

Our products can be integrated into a building's roofing membrane or rolled on and adhered which allows for easy installation and also eliminates the need for roof penetrating racking structures.



Easy to Install