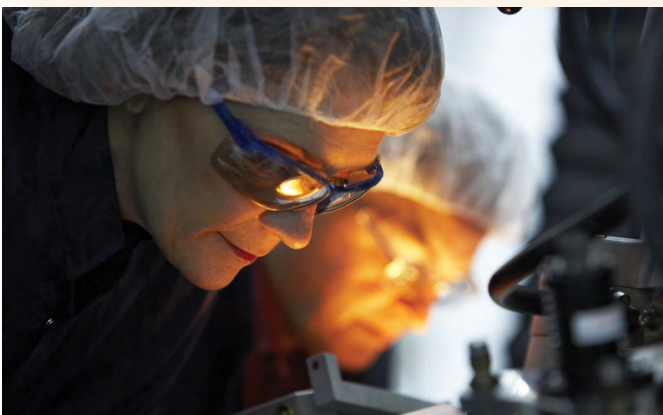
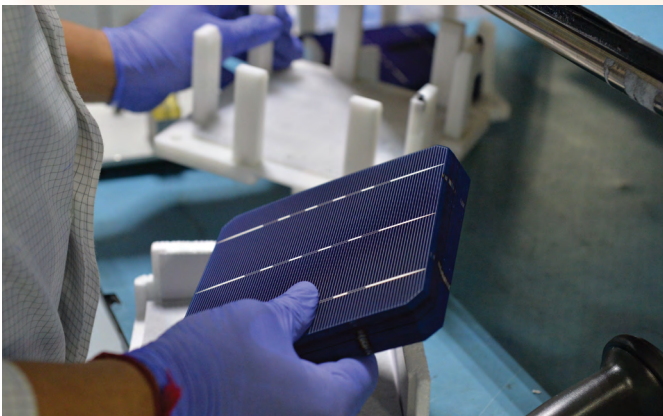


# QUALITY MATERIALS

## An Overview of SunEdison Silvantis Module Materials and Construction

SunEdison searches the world to source and qualify the most proven materials that will eventually become Silvantis modules. Our international supply chain and rigorous supplier management program ensure our manufacturing uses only the highest quality components.



## Supply Chain Management

SunEdison carefully selects and validates all sources of materials used for module components.

### ▶ Rigorous Supplier Qualification

Thorough review of component designs

Validate suppliers' established quality systems

- SPC monitoring
- Material tracking
- Documented production
- Regular line inspections

Recertification inspections

Weekly monitoring of supplier performance metrics

Quarterly supplier performance rankings

### ▶ Active Change Control

Regular consultations with suppliers establish controls for maintaining the highest levels of consistency.

### ▶ Apply 50 Years of Experience

Sand to Power: SunEdison is vertically integrated from polysilicon production to wafer slicing to module design and manufacturing, with over 50 years of experience developing semiconductor and solar technologies.

- Our vertical capabilities bring a depth of first-hand expertise to supplier audits, evaluations and relationships.

## Quality Construction

The best materials make the best module. In addition to our stringent quality requirements, SunEdison sources the most durable and proven components for use in module construction.

### ▶ ARC Glass

High transmission, low iron tempered glass is treated to reduce reflection, improve photon capture and increase module efficiency.

### ▶ Back Sheet

Durable, stable, resilient back sheets provide high voltage insulation and temperature management.

### ▶ Laminates

EVAs provide weatherproof adhesion and UV resistance, with high light transmission in front and high reflectivity in back.

### ▶ Solar Cells

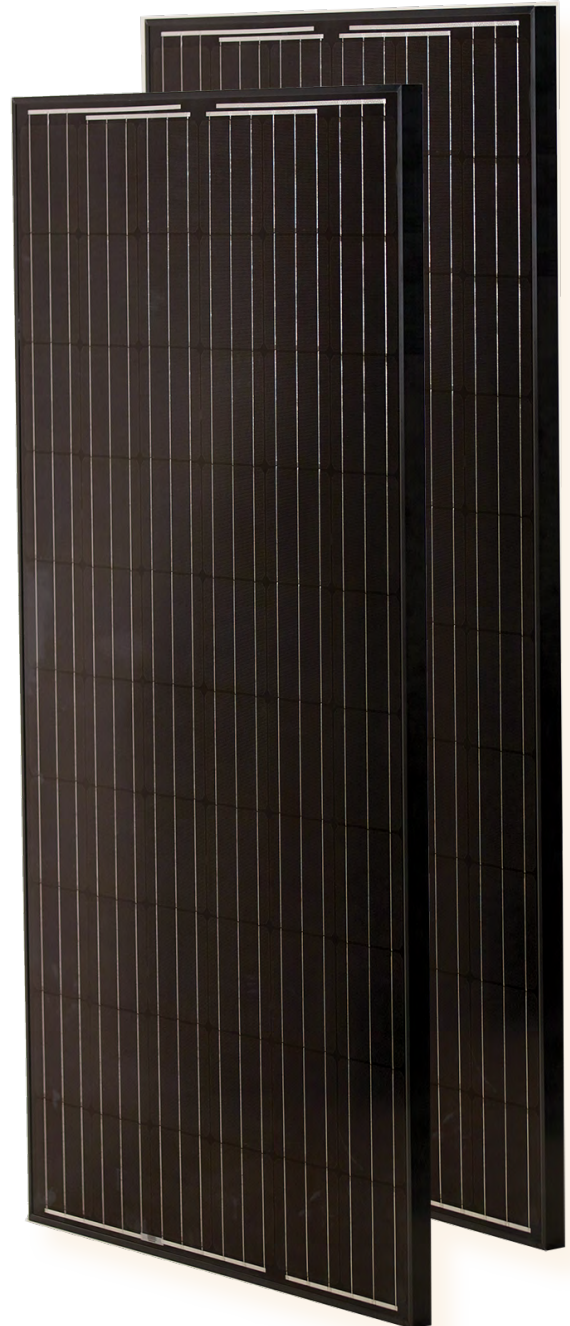
Silvantis modules use the highest efficiency monocrystalline solar cells to deliver more watts-per-module.

### ▶ Junction Box

Hydrolysis tested and impervious to moisture, this rugged housing guarantees reliable electrical connections in the harshest environments.

### ▶ Frames

Lightweight, durable anodized aluminum alloy frames are certified for salt and ammonia corrosion resistance.



For more information about SunEdison visit [www.sunedison.com](http://www.sunedison.com)