PV MODULES... ARE THEY ALL THE SAME?



Are All PV Modules The Same?

- It is a perfectly valid question and you might be tempted to say "Yes".
- But is it true?
- Let's find out...



Solar Cells

Our EverExceed Modules

Use solar cells from top-quality companies: Qcells (German)

Advantages:

- High quality
- High reliability
- Stable performance

PV modules will actually work reliably for 25 years and more!

Competitors

Use cheap solar cells from the Chinese domestic market

Disadvantages:

- Low quality
- Low reliability
- Highly unstable performance

PV modules will not work for 25 years!



Soldering

Our EverExceed Modules

Use fully-automatic soldering production line

Advantages:

- High consistency
- High quality
- High reliability

Competitors

Use manual soldering

Disadvantages:

- Low consistency
- Low quality
- Low reliability



Encapsulation

Our EverExceed Modules

Use top-quality thick EVA (Ethylene Vinyl Acetate) sheets and TPT (Tedlar Polyester Tedlar) sheets from Japan

Advantages:

- Water-proof and water vapour proof
- Acid-proof and alkaline-proof
- Anti ultraviolet radiation

PV modules can withstand bad weather for 25 years and more!

Competitors

Use low quality thin EVA sheets and PET sheets

Disadvantages:

- Not water-proof and water-vapourproof
- Not acid-proof and alkaline-proof

PV modules cannot withstand wet weather, temperature changes and start degrading in 2-3 years



Sealing Glue

Our EverExceed Modules

Use high quality special glue meant exclusively for the PV industry

Advantages:

- High acid resistance
- High alkaline resistance
- High reliability

PV modules will last for 25 years and more!

Competitors

Use general purpose glue

Disadvantages:

- Low acid resistance
- Low alkaline resistance
- Low reliability

PV modules will start degrading in 3-5 years and age easily



Junction Box

Our EverExceed Modules

Use very good quality TUV certified junction box with diode protection and IP65 rating

Advantages:

Rust proof

PV modules will last for 25 years and more!

Competitors

Use cheap junction box without diode protection and low IP rating

Disadvantages:

Not rust proof

Junction box will start rusting in 3-5 years and modules will not last for 25 years



Sealing Glue

Our EverExceed Modules

Use high quality special glue meant exclusively for the PV industry

Advantages:

- High acid resistance
- High alkaline resistance
- High reliability

PV modules will last for 25 years and more!

Competitors

Use general purpose glue

Disadvantages:

- Low acid resistance
- Low alkaline resistance
- Low reliability

PV modules will start degrading in 3-5 years and age easily



Aluminium Frame

Our EverExceed Modules

Use top quality, thick (35mm / 45mm / 50mm) frame from leading manufacturers which are strong with a sturdy inter-locking system.

Advantages:

- Very safe
- Can withstand 120+ km/hr winds

Competitors

Use thin (5mm / 10mm / 15mm) frames which are weak and with screw-on type of inter-locking system which is not sturdy

Disadvantages:

- Not safe
- Cannot withstand high speed winds



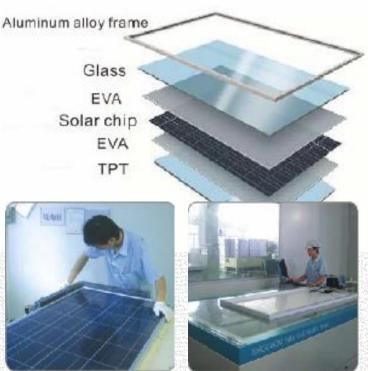
Net Result?

- EverExceed PV modules have:
 - High conversion efficiency with high reliability
 - Our conversion efficiency of 15-17% is one of the highest in the industry
 - Low mismatch of cell performance during encapsulation
 - Excellent performance under low lighting
 - Low hot spot effect
 - Low degradation under light exposure



Module Construction







Automatic Soldering Equipment

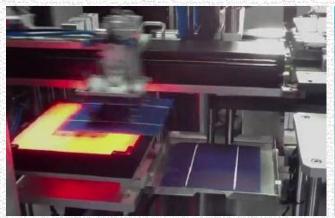






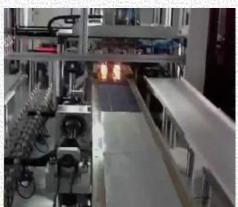


Production Equipment



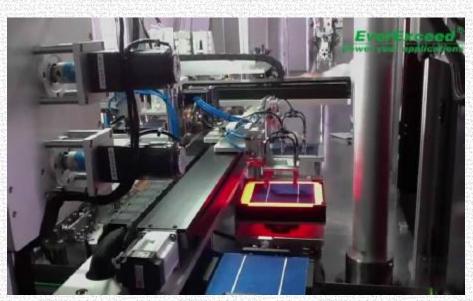








Production Equipment







Production Equipment











EverExceed modules are the most reliable solar PV modules for off-grid and grid-tied residential and commercial solar systems.



So Are All PV Modules The Same?

- We don't think so, and we hope you will agree
- Choose your PV modules wisely!



Thank you!

