

屋根にやさしい、
Roof-Friendly,
軽量・薄型パネル
Light & Thin Solar Panel

Soft,
Just fit,
Light
silicon module

Difficult Installations for Conventional Solar Panels

For roofs with limited load capacity



Older factories and warehouses



Small retail stores

For curved roofs



Gymnasium roofs



Carport roofs

Three Key Features Enable Installation



Light

Glass-free design makes the panel light and thin, allowing installation even on roofs with limited load capacity.



Flexibility

Made of silicone, allowing installation on curved roofs.

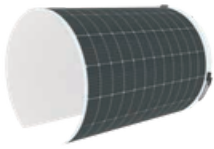


Durability

No breakable parts, providing strong resistance to hail impact and heavy snow loads.

2 Types

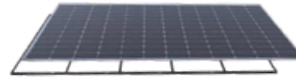
Frameless Type



Overview

- Ultra-lightweight and thin : 2.9kg/m² thickness : 1.8mm
- High flexibility : Maximum bending radius 0.5m
- Installation : Directly installed on the roof using adhesive. No mounting structure required.

Frame Type



Overview

- Weight : 3.8 kg/m² (total)
- Installation: fixed with dedicated brackets, no rails required.
- Easy to remove.

Specifications

Suitable for roofs with limited load capacity



Small chain stores are adopting this system.

1/4 of Conventional solar panels



Weight: 2.9 kg/m². Equivalent to only **one-quarter** of conventional solar panels, significantly reducing roof load.

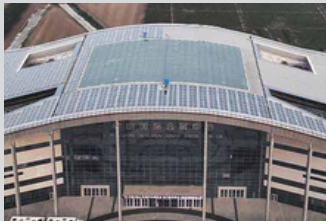
Resistant to earthquake

Heavy roof ➔ Light roof



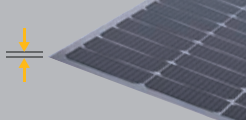
When installed, the roof becomes lighter compared with conventional solar panels, **improving resistance to seismic shaking**.

Bends to fit the roof surface



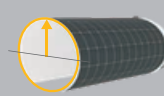
Installation examples on curved roofs

thickness : 1.8mm



With a thickness of 1.8 mm, the panel is extremely thin and **fits closely to the building surface**.

Maximum bending radius 0.5m



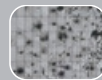
With a maximum bending radius of 0.5 m, **installation on complex curved surfaces is possible**.

Silicone structure resistant to harsh environments



Suitable for harsh climate conditions such as hail, snow, and typhoons

No cracks even after hail impact.



Cracked



No cracks

Hail impact tests conducted in accordance with IEC standards. SJL Solar Panel showed **no cracking and its electrical performance remained unaffected**.

Good resistance to heavy loads and typhoon conditions.



Front static load resistance: **5,400 Pa**
Wind resistance: **up to 44 m/s**
Passed Class 17 strong wind testing

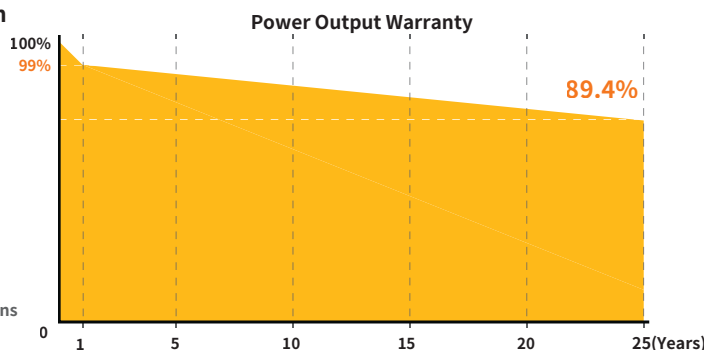
※Product image for illustration purposes only.

Performance Degradation & Warranty

Product Warranty : 12 Years
Power Output Warranty : 25 Years

Maximum Power Output : 560 W
Module Efficiency : 23%
Power Tolerance : 0 to +5 W

*) First-year degradation is less than 1%, and power output remains at least 89.4% after 25 years.



※Manufacturer Warranty (Manufactured by ACE NET WORKS K.K.) ※Information is current as of February 2026. Please contact us for the latest information.

Easy Installation

●Frameless Type



Installed using adhesive, simplifying the installation process and reducing installation time.

●Frame Type



With this type, multiple installation methods are available. Modules can also be removed and reinstalled.

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For more detailed information, please visit our website.



YouTube Channel

