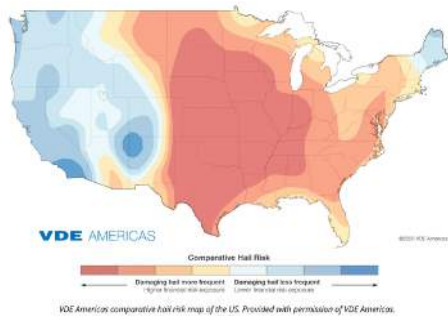


Heliene is thinking about hail!

U.S. Severe Hail Trends (2020–2024)

- 2" or larger hail storms rising from 4% in 2000 to 12% in 2024
- Billion-dollar storm disasters increased from 9 per year to 23 per year (2020 -2024)

2025 Comparative Hail Risk in the US



Heliene solar modules are significantly more hail resistant than industry standards.

UL 61730 mandatory standard

Heliene's 3.2mm Glass/Backsheet Module

Heliene's NEW 4.0mm Glass/Backsheet Module



1 inch (25 mm)

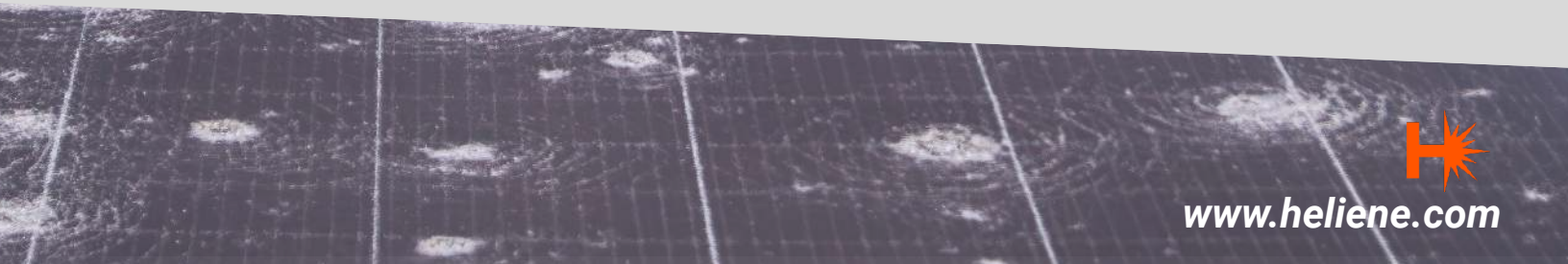
**Majority of the market*



2.17-inch (55 mm)



2.55 inch (65 mm)



Advantages of Heliene Severe Hail Resistant Modules

For a solar developer, investing in modules resistant to severe hail isn't just about surviving storms, it's about protecting cash flow, insurability, and long-term project viability.



Insurance Leverage

Developers often negotiate lower premiums, since insurers see hail-resistant modules as less risky. This can translate into meaningful cost savings over the lifetime of a project.

Large hail claims usually come with high deductibles—avoiding claims altogether means saving on unexpected expenses.



Site Flexibility:

Developers can confidently build in high-hail-risk regions with attractive solar resources, expanding the feasible project map.



Financial Advantages:

Bankability: Lenders and investors are more confident funding projects with components proven to withstand regional hazards. This can lower financing costs.

Hail damage can wipe out years of revenue. Hail-resistant modules preserve the financial model by reducing unplanned repair and replacement costs.



Sustainability & Reputation

Less waste: Avoiding large-scale module breakage means less landfill and fewer carbon costs tied to manufacturing replacements.

