

Why Hail-Resistant PV Modules are Critical for Mitigating Increasing Hail Risks

By: Bill Chittie, Director of Engineering Center, TiaS a US

For many years, hail damage to PV modules has been a significant concern for solar installers and owners. The risk of hail damage to PV modules is increasing due to the increasing frequency and intensity of hail events across the United States.

Standard PV modules are not designed to withstand hail damage. In fact, standard PV modules are often damaged by hail, leading to a significant loss of power production. This is why hail-resistant PV modules are becoming increasingly popular.

Large hail events can cause significant damage to PV modules, leading to a significant loss of power production. This is why hail-resistant PV modules are becoming increasingly popular. (EPC)

Biggest Hail Damage in Big Solar Data Page

Year-over-year hail damage to PV modules has increased significantly. This is due to the increasing frequency and intensity of hail events across the United States.

Total hail damage to PV modules in 2023 was \$540 million, a 200% increase from \$305 million in 2022.

Total hail damage to PV modules in 2023 was \$540 million, a 200% increase from \$305 million in 2022. This is a significant increase from the \$106 million in hail damage to PV modules in 2021.

Total hail damage to PV modules in 2023 was \$540 million, a 200% increase from \$305 million in 2022. This is a significant increase from the \$106 million in hail damage to PV modules in 2021. The increase in hail damage to PV modules is due to the increasing frequency and intensity of hail events across the United States.

Total hail damage to PV modules in 2023 was \$540 million, a 200% increase from \$305 million in 2022. This is a significant increase from the \$106 million in hail damage to PV modules in 2021. The increase in hail damage to PV modules is due to the increasing frequency and intensity of hail events across the United States. (NOAA)

2023, 19, S. 2019, 67.

E a di gP i Hai C di i O e a i gP ai G h

S. G P

A 20 30 T

Ar PV

I a ceC pa ie Ree a a i gHai Ri

T 2023' S

W EPC PV

Mi ga i gU ii S a Ci e Ri i hHai-Re i a PVM d e

A T S PV PV

T PV U VDE A PV VDE' (AAL)

VDE T AAL 2/2 () 3.2 / B T 3.2 /

2/2 T 3.2 /b

W 100 MW \$0.51/W (M saved
 more than \$1 million in AAL 2/2

RETG K PVEL

T 2/2 V no defects
 | 45 50
 | 55 65

T 3.2 /b V no defects
 | 45 0
 | 55 50
 | 65 60

H T

PV R



T S (U.S.)
 7100 S B
 F , CA 94538

. i a a.c ☎ T i aUS@ i a a.c ☎