



Sunroom photovoltaic panel snow shield

What is a solar panel snow guard?

A solar panel snow guard is a physical barrier you can install in between or on the edges of your solar panels. It's designed to prevent the mini avalanches that can occur when you install rooftop solar. Solar snow guards catch snow sliding off of your panels, which keeps them from falling all at once.

Do solar panels need snow guards?

Snow guards are easy to install and are a great addition when the installer is already up on your roof and the solar panels are clean. Installing the snow guards is simply an extra step. If you already have solar panels installed and are ready to add snow guards, they can also be installed after the fact.

Can solar panels withstand snow?

The smooth surface of solar panels coupled with the equally smooth surface of a standing seam metal roof can result in a very sudden slide of snow in quantities large enough to cause severe damage to anything or anyone below. One of the most economical ways to prevent a snow "avalanche" is to install a snow retention system or "snow guards."

How does a solar array work on a shingle roof?

Water runs down through the snow pack to the roof surface and then down the roof surface under the snow. This creates lubrication between the snow pack and the roof surface. Adding a solar array to the roof essentially adds a glass roof surface over the shingle roof surface, changing the snow slide dynamic on your roof.

Can solar panels shed snow in Alberta?

We can also install your solar array with an optimal tilt for shedding snow and capturing more sunlight in Alberta locales. Choose our industry-rated panels for enduring harsh winters. Contact us today to experience unparalleled service and prepare for winter. Snowy winters can reduce solar output.

How do I protect my solar panels from snow?

Installing a Pulley-Operated Tarp: A tarp system above your panels can be pulled over during snowfall to protect them. Considering a Heating System: Install a heating system designed for solar panels to melt snow and ensure optimal performance in winter. Prioritize safety and consult professionals for assistance.

The ClimateMaster Roof[®] is designed and built to be tough. With high R-values and strong snow load ratings, they provide serious protection for your sunroom investment. Roofs range from 3" to 6" thick with 1 1/2# or 2# density expanded ...

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