

# Pella® Energy Guide

Version 7.0 Standards



Understand the regulatory changes being made and how to identify the most energy-efficient products and options for your region.

## What is ENERGY STAR®?



ENERGY STAR is the most widely recognized symbol for energy efficiency in the world. A voluntary program from the U.S. Environmental Protection Agency (EPA), the ENERGY STAR label identifies products independently certified to use less energy and cause fewer emissions that contribute to climate change.

Looking for these labels is a simple way to help you save money and energy and protect the environment. Pella is proud to offer ENERGY STAR certified windows and patio doors that meet the new standard.<sup>3</sup>

### Benefits of ENERGY STAR® certified products

- Help you save money on heating and cooling costs
- Help you create more comfortable spaces
- Deliver certified performance you can trust

## ENERGY STAR® Certification Criteria

### ENERGY STAR® Certification Criteria for Residential Windows

WINDOWS			
Climate Zone	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	
Northern	≤ 0.22	≥ 0.17	Prescriptive
	= 0.23	≥ 0.35	Equivalent Energy Performance
	= 0.24		
	= 0.25	≥ 0.40	
	= 0.26		
North-Central	≤ 0.25	≤ 0.40	
South-Central	≤ 0.28	≤ 0.23	
Southern	≤ 0.32	≤ 0.23	

Air Leakage ≤ 0.3 cfm/ft²  
<sup>1</sup> Btu/h-ft²-°F  
<sup>2</sup> Solar Heat Gain Coefficient

### ENERGY STAR® Certification Criteria for Residential Doors

DOORS			
Glazing Level	Climate Zone	U-Factor <sup>1</sup>	SHGC <sup>2</sup>
Opaque	All Zones	≤ 0.17	No Rating
≤ ½-Lite	All Zones	≤ 0.23	≤ 0.23
> ½-Lite	Northern	≤ 0.26	≤ 0.40
	North-Central		
	South-Central	≤ 0.28	≤ 0.23
	Southern		

Air Leakage for Sliding Doors ≤ 0.3 cfm/ft²  
Air Leakage for Swinging Doors ≤ 0.5 cfm/ft²  
<sup>1</sup> Btu/h-ft²-°F  
<sup>2</sup> Solar Heat Gain Coefficient

## Determining the Best Window Specifications for Your Home

No matter where you live, you'll want to find the windows and doors optimized for your specific region. They'll help cut down on energy costs and keep your home more comfortable. Explore these recommendations from ENERGY STAR to find the windows and patio doors with the right energy specifications for your home.

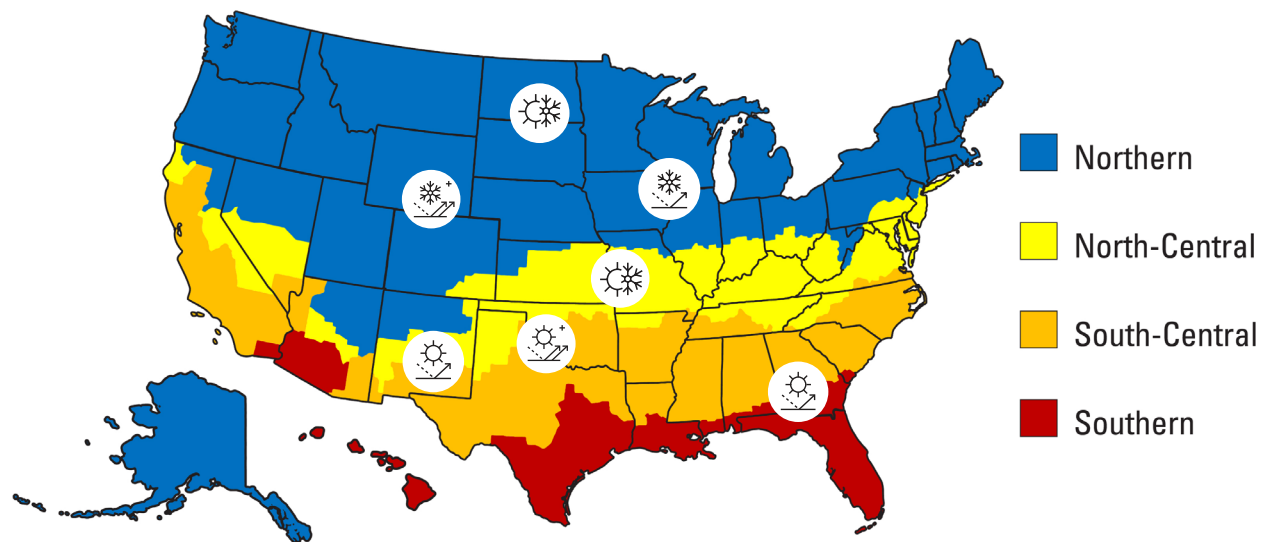
### U-Factor

The U-Factor tells you how well a window insulates. This measurement tells the rate at which the product conducts non-solar heat flow. The lower the U-Factor, the better the insulation the window provides.

### Solar Heat Gain Coefficient (SHGC)

The SHGC rates how effective a window is at blocking the sun's radiant heat, or how much heat is absorbed by the window and then passed indirectly to your home. The lower the SHGC, the less heat the window allows into your home.

# Energy-Efficient Glass Options from Pella<sup>4</sup>



**Advanced Low-E Insulating Glass<sup>5</sup>**  
**Best use:** Most U.S. climates  
**Dual-pane:** Two panes of glass with Advanced Low-E protection and insulating argon between the panes. Blocks 84% of the sun's ultraviolet rays.



**AdvancedComfort Low-E Insulating Glass<sup>5</sup>**  
**Best use:** Northern and Central U.S. climates  
**Dual-pane:** Two panes of glass with Advanced Low-E protection and insulating argon between the panes. Blocks 85% of the sun's ultraviolet rays.



**SunDefense™ Low-E Insulating Glass<sup>5</sup>**  
**Best use:** Central and Southern U.S. climates  
**Dual-pane:** Two panes of glass with SunDefense Low-E protection and insulating argon between the panes. Blocks 94% of the sun's ultraviolet rays.



**SunDefense+ Low-E Insulating Glass**  
**Best use:** Central U.S. climates  
**Dual-pane:** Two panes of glass with SunDefense Low-E protection and insulating argon between the panes. With an additional Low-E protection on the room side pane of glass. Blocks 94% of the sun's ultraviolet rays.



**NaturalSun Low-E Insulating Glass<sup>5</sup>**  
**Best use:** Northern U.S. climates  
**Dual-pane:** Two panes of glass with NaturalSun Low-E insulating argon between panes. Blocks 69% of the sun's ultraviolet rays



**NaturalSun+ Low-E Insulating Glass**  
**Best use:** Northern U.S. climates  
**Dual-pane:** Two panes of glass with NaturalSun Low-E insulating argon between panes to allow outdoor heat to come in. With an additional Low-E protection on the room side pane of glass to further keep indoor heat from escaping. Blocks 70% of the sun's ultraviolet rays.

**Need help finding the window or door best for your region?**  
**Contact your local Lowe's Associate or Pella sales representative for more information.**

ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.

<sup>3</sup> Some Pella products may not meet ENERGY STAR® guidelines in Canada.  
<sup>4</sup> For more information, contact your local Lowe's Associate or Pella sales representative or go to [energystar.gc.ca](http://energystar.gc.ca).  
<sup>5</sup> Glass options vary by product type and product line. Please ask a Lowe's Associate or Pella sales representative for details.  
<sup>6</sup> Triple-pane available on select products. Glass options vary by product type and product line.

