

U.S. Environmental Protection Agency ENERGY STAR® Labeled Products: Verification Testing 2023 Summary

To ensure that ENERGY STAR labeled products meet energy savings expectations on an ongoing basis, a subset of models is subject to verification testing each year.

Verification Testing Rates

ENERGY STAR certified products available for sale in the United States are subject to verification testing to ensure they continue to meet specification requirements. In 2023, 1,218 models completed verification testing. Table 1 provides a detailed summary of the tested model counts by product category.

Additionally, there were, 14 Commercial Steam Cookers, 9 Commercial Ovens, and 35 Commercial Dishwasher models verified through the [Component Inspection Program](#) in 2023.

EPA-recognized certification bodies (CBs) administered all verification testing. Further details on the verification testing process for CBs are available at www.energystar.gov/CBresources.

The overall compliance rate was 94%.

Table 1. Verification Tests Completed During 2023 by Product Category

Product Category	Number of Models Testing
Appliances	
Clothes Dryers	14
Clothes Washers	19
Consumer Refrigeration	120
Lab Grade Refrigerators and Freezers	20
Residential Dishwashers	13
Total	186
Commercial Food Service	
Commercial Coffee Brewers	2
Commercial Dishwashers	5
Commercial Fryers	8
Commercial Griddles	2
Commercial Hot Food Holding Cabinets	11
Commercial Ice Machines	10
Commercial Ovens	8
Commercial Refrigerators and Freezers	57
Total	103
Electronics and Office Equipment	
Audio/Video	12
Computer Servers	9
Computers	77

Product Category	Number of Models Testing
Displays	61
Imaging Equipment	88
Telephony	12
Televisions	1
Uninterruptible Power Supplies	19
Total	279
Heating and Cooling	
Boilers	17
CAC ASHP	99
Commercial Boilers	6
Commercial Water Heaters	15
Connected Thermostats	4
Dehumidifiers	14
Furnaces	66
Geothermal Heat Pumps	15
Non-solar Water Heaters	17
Room Air Cleaners	59
Room Air Conditioners	20
Total	332
Home Building Materials	
Storm Windows	3
Windows Doors Skylights	75
Total	78
Lighting and Fans	
Ceiling Fans	38
Decorative Light Strings	32
Lamps	21
Luminaires	79
Ventilating Fans	43
Total	213
Other	
Electric Vehicle Supply Equipment (EVSE) – Level 2 AC only	13
Pool Pumps	5
Vending Machines	3

Product Category	Number of Models Testing
Water Coolers	6
Total	27
Grand Total	1218

Disqualification

ENERGY STAR certified models that fail to meet ENERGY STAR requirements during verification testing are subject to EPA's disqualification procedures. In 2023, EPA disqualified 74 *unique* models as a result of verification testing. Additionally, associated versions of the 74 models were disqualified. Tables 2a and 2b summarize the 74 unique disqualified models by product category.

The current lists of disqualified models are available on the [Integrity Efforts for ENERGY STAR Products webpage](#). Please note that models disqualified in 2023 may have failed verification testing in a previous VT year.

Table 2a. Number of Unique Models Disqualified in 2023 by Non-Lighting Product Category

Non-Lighting Category	Unique Models Disqualified in 2023
Clothes Washers	1
Clothes Dryers	1
Commercial Fryers	4
Imaging Equipment	2
Ceiling Fans	4
Computers	1
Connected Thermostats	1
Displays	1
Geothermal Heat Pumps	1
Refrigerators and Freezers	5
Room Air Cleaners	1
Telephony	2
Ventilating Fans	1
Windows, Doors, and Skylights	4
Total	29

Table 2b. Number of Unique Models Disqualified in 2023 by Lighting Product Category

Lighting Category	Unique Models Disqualified in 2023
Lamps - LED	18
Luminaires	25
Decorative Light Strings	2
Total	45

