

# Solar energy shows that the container temperature is high





## Overview

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A container, particularly a standard shipping container exposed to direct sunlight, can experience significant internal temperature increases, reaching highs of up to 135 degrees Fahrenheit (57 degrees Celsius). Do shipping containers get hot?

Even insulated shipping containers are prone to high temperatures. It is even worse when the temperature rises due to radiation from the sun. The following are the different ways shipping containers can get hot. Uninsulated containers are susceptible to higher temperatures due to reflected sunlight.

How hot is a storage container?

A storage container may be relatively cool on the outside, but it could be quite hot inside. This can be due to radiant heat from the sun. If it's buried in a stack, the inside temperature could reach 144 degrees Fahrenheit. However, with the right insulation, temperatures can drop to about 20 degrees below ambient temperature.

How hot does a container get during shipping?

Container temperature during shipping can get significantly hotter than the outside air. In hot conditions, internal temperatures may climb as high as 135°F (57°C). The actual heat inside depends on several external factors, often pushing container interiors well above ambient levels.

Why do containers overheat?

Duration of transit: The longer a container remains exposed to harsh conditions, the greater the likelihood of extreme internal temperatures. Beyond outside factors, the physics of containers themselves explain why they overheat. Acting like mini-greenhouses, they trap solar energy with no escape route.



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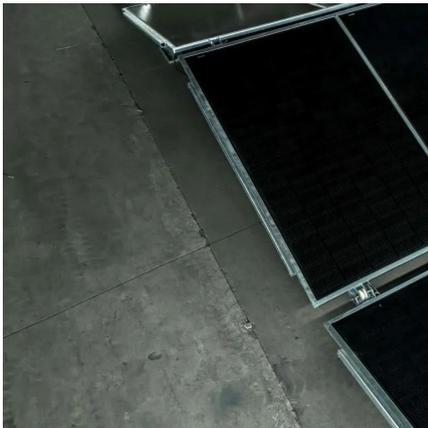
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