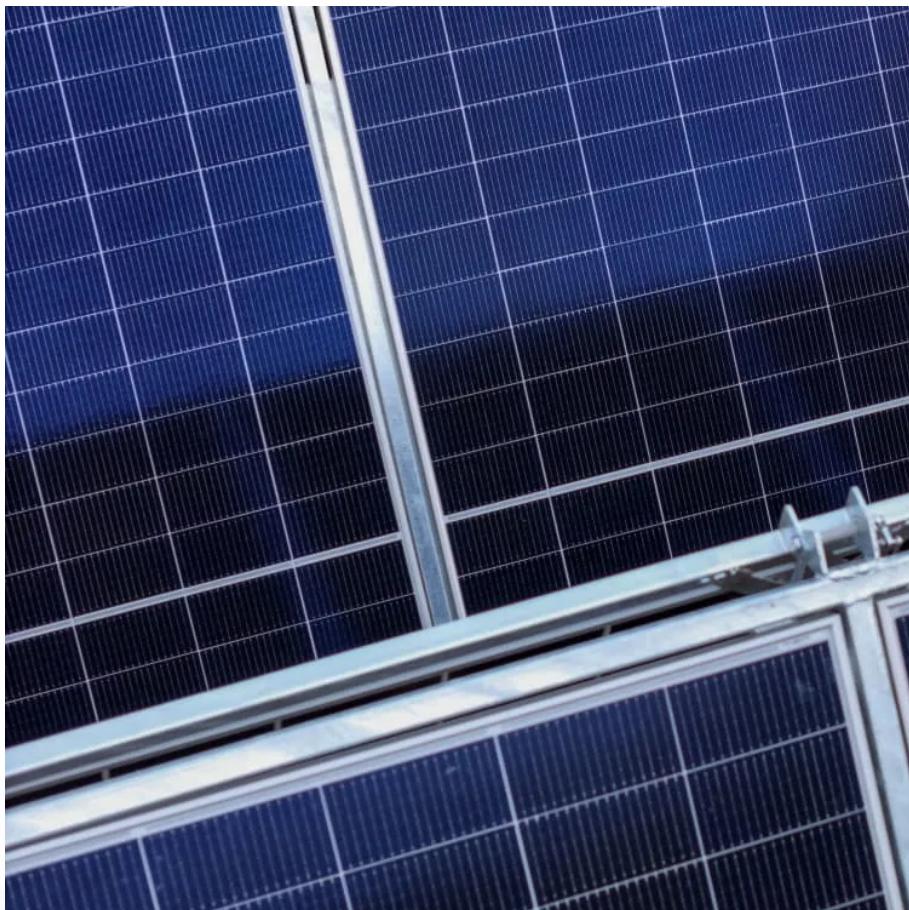




MODERNIZATION SOLAR

Outdoor Power Lighting Requirements





Overview

What are the energy standards for outdoor lighting?

The Energy Standards establish maximum outdoor lighting power that can be installed. The allowed outdoor lighting power must be determined according to the Outdoor Lighting Zone in which the site is located. See Section 6.4.1 for more information about Outdoor Lighting Zones.

What are the requirements for outdoor lighting?

The requirements for outdoor lighting aren't very complicated, but they come from three model-code documents: the IRC, the National Electric Code (NEC), and the International Energy Conservation Code (IECC). Those requirements can all be found in the IRC, but they're spread out among different chapters.

What are the requirements for exterior lighting controls?

Section N1104.3.1 describes exterior lighting controls. When exterior lighting for a house consumes 30W or less of power, there are no requirements for automatic operation. However, when more than 30W of power are consumed, three requirements must be met:.

Does an outdoor lighting installation comply with the lighting power requirements?

An outdoor lighting installation complies with the lighting power requirements if the actual outdoor lighting power installed is no greater than the allowed outdoor lighting power calculated under §140.7(d) and complies with certain stipulations associated with specific special application allowances.



Outdoor Power Lighting Requirements



Energy Code Ace

An outdoor lighting installation complies with the Energy Code if the actual outdoor lighting power is no greater than the allowed outdoor lighting power. This section describes the procedures ...

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6.2 History and Scope The outdoor lighting requirements within the Energy Standards conserve energy, reduce winter peak electric demand, and are both technically feasible and cost ...



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