

BLINK SOLAR

Can outdoor power be used in low temperatures



Overview

Can electrical equipment be used in cold weather?

Electrical equipment used in cold weather regions are subjected to different environmental conditions than covered by most standard approvals. There are two main areas of concern for products used in cold weather—safety and function.

Does cold weather affect electrical equipment?

While this paper primarily discusses only the effects of low temperatures on equipment, there are other conditions in cold weather regions such as low humidity, wind, and snow and ice formation that can also have an effect on electrical equipment. It is important to follow manufacturers' instructions and local electrical code requirements.

How does low temperature affect electrical equipment?

Low temperatures can change the properties of the materials used in the construction of electrical equipment, making them unsafe or unsuitable for use. Additionally, changes to installation and operational methods may be necessary to mitigate the effects of low temperatures.

What should you know about cold weather equipment?

There are two main areas of concern for products used in cold weather—safety and function. For Class I locations, the ability of the equipment to maintain its explosion-protection properties at low temperatures is of major importance.

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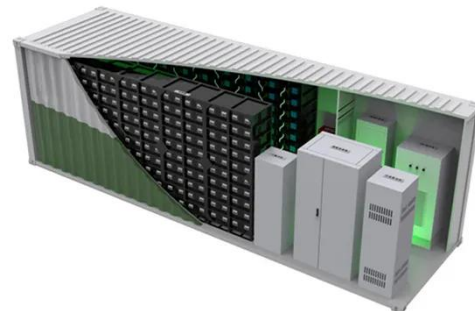


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Electrical equipment in cold weather applications

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