

## A-Core Container

# Outdoor power supply lightning protection



## Overview

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To protect your power supply from lightning, install a lightning protection system. A lightning protection system typically consists of a lightning rod, grounding wires, and surge protectors. How to protect power supplies from lightning?

For power supplies, a reliable and effective method of lightning protection is adopting three levels of protection using corresponding surge arresters at each level so that the clamping voltage output meets specified requirements.

How to protect power dispatch automation systems from lightning strikes?

Adding surge resistors between power lines and steel pipes outdoors can enhance lightning protection. To prevent damage from lightning strikes to power dispatch automation systems, a policy of “comprehensive defense, integrated management, multiple protections” should be adopted.

What is an effective lightning protection strategy?

An effective lightning protection strategy combines internal and external lightning protection. Protect the power supplies, data, and signals in your system. Use the reliable surge protection solutions available in our various product ranges as part of your internal lightning protection strategy.

What is surge protection?

Surge protection refers to the protection of systems and electrical devices against excessively high voltage peaks caused by switching operations and lightning strikes. An effective lightning protection strategy combines internal and external lightning protection. Protect the power supplies, data, and signals in your system.

How do you protect a power supply system from a surge?

Surge protection for power supply systems should adopt a staged approach for transient overvoltage (TVS) protection caused by surges particularly for

low-voltage supply systems starting from the entry point gradually absorbing surge energy and suppressing transient over-voltages in stages.

What is a lightning protection standard?

They differ depending on region and field of application. The overarching standard is lightning protection standard IEC 62305. It describes protective measures against lightning events and an extensive risk analysis with regard to the necessity, scope, and cost-effectiveness of a protection concept.

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### Contact Us

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