

EKM-RC....

Rain canopies to suit EKM Enclosures

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Rain Canopy applications

EKM Rain Canopies: A rain canopy, also known as a rain hood or rain shield, is a protective cover or attachment designed for electrical enclosures. Its primary purpose is to shield the enclosure from rainwater and prevent moisture ingress, thus safeguarding the electrical components housed inside.

Here are some features and purposes of a rain canopy:

Rain Protection: The main function of a rain canopy is to provide a barrier against rainwater.

It is typically designed with an angled or sloped top surface that facilitates the runoff of rainwater, preventing it from directly entering the enclosure.

This helps to keep the interior dry and prevents potential damage to electrical equipment.

Moisture Resistance: Rain can cause moisture-related issues such as corrosion, short circuits, and electrical malfunctions.

A rain canopy acts as an additional layer of protection against moisture ingress, reducing the risk of these problems.

It covers the top opening of the enclosure, which is often a vulnerable entry point for water.

Ventilation and Heat Dissipation: Many rain canopies incorporate ventilation features to allow airflow and heat dissipation.

Electrical enclosures often contain equipment that generates heat, and proper ventilation is crucial to prevent overheating.

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Sunlight and UV Protection: In addition to rain, rain canopies can also shield electrical enclosures from sunlight and ultraviolet (UV) radiation.

Prolonged exposure to sunlight and UV rays can lead to material degradation, discoloration, and potential damage to sensitive electronic components.

The canopy acts as a barrier, reducing the impact of direct sunlight and minimising the risk of UV-related issues.

Part #	Description
EKM-RC3015	Rain canopy to suit 300W 150D EKM Enclosure, RAL7035
EKM-RC3020	Rain canopy to suit 300W 200D EKM Enclosure, RAL7035
EKM-RC4020	Rain canopy to suit 400W 200D EKM Enclosure, RAL7035
EKM-RC4025	Rain canopy to suit 400W 250D EKM Enclosure, RAL7035
EKM-RC5025	Rain canopy to suit 500W 250D EKM Enclosure, RAL7035
EKM-RC6025	Rain canopy to suit 600W 250D EKM Enclosure, RAL7035

Easy installation and maintenance. Rain canopies are generally designed for easy installation onto electrical enclosures.

They may feature mounting brackets, clips, or fasteners that allow for straightforward attachment and removal.

This facilitates convenient access to the enclosure when required for maintenance, inspections, or equipment modifications.

By combining rain protection, moisture resistance, ventilation, and other features, rain canopies help to extend the lifespan of electrical enclosures and maintain the reliability of the equipment housed within.

They are commonly used in outdoor installations, such as power distribution cabinets, control panels, communication enclosures, and various industrial applications.

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