

ROOF SYSTEM - DATASHEET

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barpa

ROOF SYSTEMS

DESCRIPTION

The barpa Modular Roof System solution is designed to enhance aisle containment by sealing the top of the rack rows, improving airflow separation and temperature control efficiency in data center environments. Its robust steel construction with transparent panels maintains visibility while supporting optimized thermal management. Available in fixed and opening versions, it offers flexible integration for modern high-density infrastructure.



APPLICABLE STANDARDS

- RoHS Directive (2011/65/EU) - UL 94 HB

KEY FEATURES

Fixed or opening versions to support flexible data center containment configurations.
Creating a wide corridor for double row or single row confinements
Designed for barpa ORION data center racks
Scalable corridor configuration
Transparent Polycarbonate windows enable clear visibility and light while maintaining aisle containment.

MECHANICAL & PHYSICAL SPECIFICATIONS

Material (Frame)	Cold-rolled steel, grade DC01
Material (Glass)	Transparent Polycarbonate
Color	Anthracite Grey (RAL 7016)
Types	Fixed or Opening
Window Opening Direction	Downwards
Window Opening Mechanism	Magnets with current control
Max Opening Angle	45°
Suggested Max Opening Angle	10°
Connection Method	Direct-mounted to rack frame

ELECTRICAL SPECIFICATIONS (FOR OPENING VERSION)

Rated Voltage	12V DC
Standby Power	<1W
Maximum Power (per window/hour)	8W

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