



Vertiv™ MPE™ Rack Power Distribution Unit

The Vertiv MPE Elementary Rack PDU is a Power Distribution Unit for data center applications, providing all the necessary functions of a rack-based power distribution unit to guarantee reliable power supply.

System Description

The Elementary Rack PDU is a solution for every data center looking for robust, economical and flexible rack concepts.

The Vertiv MPE Rack PDU is part of the “Elementary Rack PDU” group, part of Vertiv rack PDU range, is designed to reliably supply power to IT devices in the server rack. Easily integrated into racks, the Vertiv MPE Rack PDU offers high availability.

The Vertiv MPE Rack PDU consists of a compact aluminum profile that is fully compatible with Vertiv Knurr Racks, along with other housing systems using corresponding slots without the need for tools - all specifically made to save space.

Multiple versions are available within the Vertiv MPE Rack PDU product line to suit customers’ needs. As a standard C13, C19 and SCHUKO sockets are available. The product’s input cable is either hardwired or equipped with an IEC 60309 plug or, alternatively, a C20 socket, which can be used as a power input. Furthermore, one or three phase models with amperages of up to 32 A can be selected.

For models with > 20 A input current, individual groups are protected with a 20 A circuit breaker (hydraulic-magnetic). Cables with locking mechanisms can be further connected to the outputs.

The PDU can be integrated into Vertiv racks or other housing systems with corresponding slots without the use of tools.

Material: Closed housing, aluminum profile

Surface: Finely textured, powder-coated (top cover)

Color: RAL 7021 (black-grey), Vampamid 6 (UL94) recyclable plastic parts, finely textured and colored (RAL 9005).

The Vertiv™ MPE™ Rack PDU Features

- Flexible power cable input, simplifying installation within the rack
- Cable and hardwired options (input cable can be connected locally)
- Output cable with locking mechanism, prevents IT cables from being accidentally disconnected
- SpeedMount option for Vertiv Knürr DCM® rack lowers installation costs and provides extra space in rack for cables and other components
- High variability within the Vertiv MPE Rack PDU line (various plug, socket, and power level combinations)
- Low unit profile with ultra-flat circuit breakers guarantees the most efficient space utilization
- High ambient temperature of up to 60 °C
- Highly durable aluminum profile for outstanding mechanical resistance

ENVIRONMENTAL CONDITIONS

| | |
|---------------------|---|
| Ambient temperature | During operation: 5 °C – 60 °C Storage temperature: -20 °C – 85 °C |
| Relative humidity | 10 – 90% non-condensing |
| Operating altitude | Max. 3000 m |

STANDARDS

The MPE™ is designed in accordance with the relevant sections of the following documents. If the information in the documents does not correspond with this specification, the information in the below specification shall apply.

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| Europe | CB certification: IEC 60950-1 (2 nd) CE compliance: LVD incl. harmonized standards hereunder BV-BG certification (factory inspected) |
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PHYSICAL DIMENSIONS

| | |
|---------------|------------------------|
| Width x Depth | 56 mm x 50 mm |
| Length | 826.5 mm and 1736.5 mm |

Items supplied

- Vertiv MPE Rack PDU
- Tool-less mounting buttons
- Safety notes
- User manual