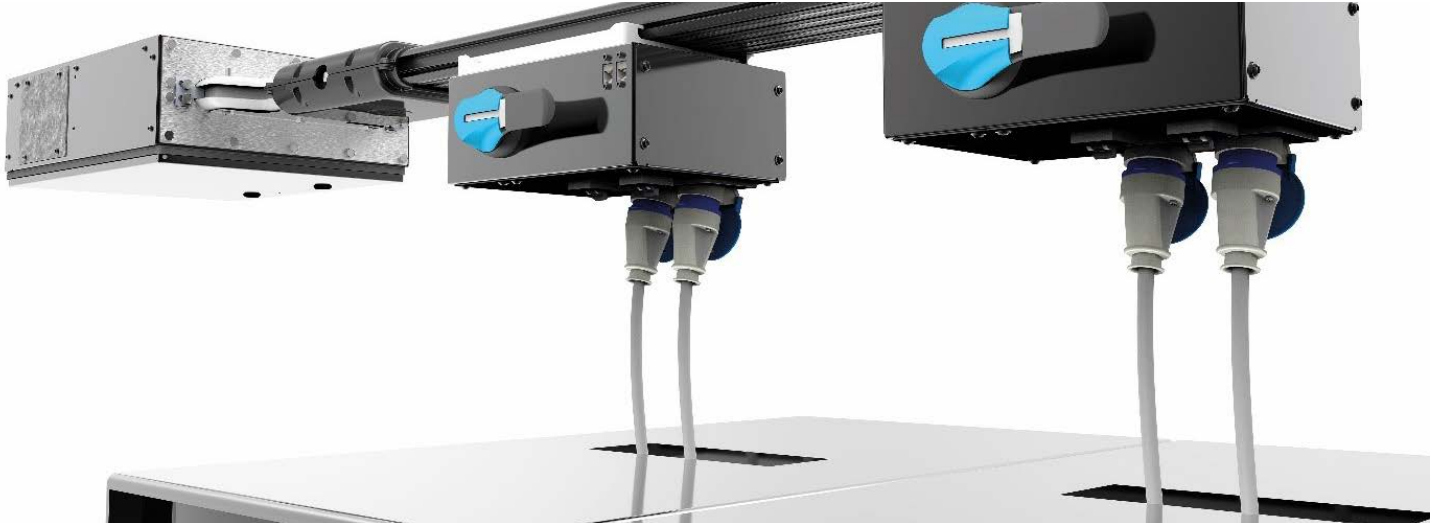


# Vertiv™ Powerbar iMPB

*Safe, flexible and efficient power distribution for every data center.*



Vertiv Powerbar iMPB Busway provides high density distribution while providing full flexibility to position individual rack power connections. The modular system ensures correct power configuration at set-up that can be easily reconfigured as the data center develops.

Vertiv Powerbar iMPB gives data center managers flexibility, control, and peace of mind when changing and adapting to keep pace with hardware requirement demands.

## Why Your Customers Need iMPB Track Busway

- Flexible modular system architecture is easy to install and upgrade
- Zero footprint design with no raised floor required optimises use of data center whitespace
- 'Fool Proof' installation; circuits can be added quickly with no need for an electrician or special tooling
- Safety:
  - Circuit protection at point of use
  - Arc flash protection
  - Fault rating of 100kAIC
- Reliability - Strong and thermally secure joint
- Tap-off units are located above racks for easy traceability
- Smart metering to monitor efficiency and capacity
- Lower total cost of ownership compared to cable applications
- Increased power availability – hot swappable tap-off units mean circuits do not need to be powered down for maintenance or layout changes

## Where to find

- Any size data center; from edge to enterprise; colocation to hyperscale
- New data center builds
- Data center expansions

# Vertiv™ Powerbar iMPB

| Customer pain point  | What to ask  | Solution  |
|--|--|---|
| <b>Need the flexibility to reconfigure and upscale power loads as power requirements grow and change</b>                                   | Is your current data center architecture providing sufficient space and flexibility to expand your operations in line with demand? | Vertiv Powerbar iMPB is a zero footprint open track busway system designed to optimize data center whitespace and improve responsiveness to changing demand. The overhead busway design frees up critical whitespace to increase IT processing capacity. The open track design allows for quick and easy reconfiguration at rack level as circuits can be added/ removed or relocated as and when needed. |
| <b>Shortage of electricians makes it difficult to install new capacity efficiently</b>   | Have you found it difficult sourcing qualified personnel to carry out essential maintenance or circuit addition/ removal?          | Powerbar's iMPB unique 'earth first, break last' safety feature allows for circuits to be added without the need for an electrician. The 3-step plug and play installation requires no special tooling and is quick and easy to follow.   |
| <b>Visibility over individual power loads is required for colocation billing purposes and to monitor efficiency capacity at rack level</b> | Do you find it difficult to accurately manage power capacity, efficiency or tenant billing in your data center?                    | Integration with third party PMS systems provides enhanced monitoring capabilities at rack level. This allows for accurate power monitoring for billing and capacity planning purposes.   |

# Vertiv™ Powerbar iMPB

## Responses to common questions

### Q1. How do I differentiate between power streams?

**A1.** Vertiv Powerbar iMPB busway is designed with an integral channel that not only acts as a seamless raceway for communication cable but also accommodates an extruded “channel cover” that comes in a variety of colors to easily identify different sources of power. End feeds and tap-off boxes can also be painted to act as an instant visual differentiator. This is offered for no additional charge. Paint matching of busbar housing and joint covers is available at a small additional charge.

### Q2. What is the benefit of overhead power distribution over underfloor?

**A2.** Underfloor power distribution can create a web of wires that can restrict airflow below the raised floor, this can create hot spots, leading to unnecessary expenses with extra cooling. Overhead busways are more energy efficient because there is no need for a raised floor and they do not hinder airflow, allowing the cooling system to work as intended.

Overhead power distribution also allows for increased accessibility to power loads for maintenance. Circuits can be added and removed easily as they are located just above their respective racks. This allows data center operators to make changes in a cost-efficient and timely manner.

### Q3. How safe is it to install and move tap off boxes without an electrician?

**A3.** Vertiv Powerbar iMPB tap off units are fitted to the busbar using a three step installation process and Powerbar’s unique ‘earth first, break last’ safety feature. Each tap off unit interlocks onto the distribution length with a ground strip. This ensures that the ground is the first point of contact with the busbar system during installation, achieving a lower fault current and lower fault clearance time. Excess current will always exit the busway system through the grounding strip.

This mechanical connection to the busway prior to any electrical connection means that there is no risk of an arc flash incident when installing iMPB tap-off boxes. This provides users with an extra layer of safety when fitting/removing tap off boxes from the busbar.

Vertiv Powerbar iMPB also has a finger safe rating of IP2X/3X which provides protection against access to hazardous electrical parts with a finger.

### Q4. How does the Vertiv Powerbar iMPB monitoring options compare with a PDU/RPP solution?

**A4.** Monitoring options and communication protocols for iMPB busway are similar to those commonly found in PDU’s and Remote Power Panels (RPP), but can come with some additional features if required:

- Revenue grade accuracy
- Wave form capture
- Secure wireless monitoring

## Upsell

### Busway

1. High Powerbar
2. Medium Powerbar - EMEA and APAC only
3. Cast Resin Powerbar - EMEA and APAC only

### Switchgear

1. UL891 Switchboard
2. UL1558 Switchgear
3. IEC Low Voltage Switchgear
4. UL/IEC Medium Voltage Switchgear

### Power monitoring

1. Data Center Infrastructure Management

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