



## Vertiv™ Edge single phase UPS

500 - 3000 VA 230 V

Superior Power Protection  
for Edge Applications



# Vertiv™ Edge single phase UPS

*The Vertiv™ Edge single phase UPS: Best-in-class battery backup and power protection for Edge applications, telecom and distributed IT equipment.*

Vertiv Edge is a family of highly reliable, efficient, manageable and flexible line interactive sinewave UPSs, with models ranging from 500VA to 3000VA in tower, rack/tower and rack-mount form factors. With a 0.9 power factor, controllable outlets and extended runtime options, Vertiv Edge is the right choice for protecting server and networking equipment in distributed and Edge IT applications. Available in 1U and 2U options as well as a short-depth 3U 3000VA model, it can provide optimum runtime at the right size and power density in a cost effective UPS solution.

## **Tower (750/1000/1500 VA)**



- Compact Tower design for tower servers and/or applications with no available rack
- Plug and play solution requiring no installation
- Vertiv Intellislot management cards available for remote power management and OS's shutdown

## **1U Rack Mount (500/1000/1500 VA)**



- Compact 1U Rack Mount design for Edge applications with limited rack space
- Comes with rack mounting hardware included
- Vertiv Intellislot management cards available for remote power management and OS's shutdown

## **Rack / Tower (1500/2200/3000 VA 2U, 3000 VA 3U)**



- Convertible rack/tower design with LCD display provides flexible installation options
- Extended runtime capability with external battery cabinets with autodetection, for hours of back-up time
- 3000VA 3U height with short depth (<500 mm) for compact racks that still require maximum power protection
- Vertiv Intellislot management cards available for remote power management and OS's shutdown

## **At a Glance**

### **Vertiv Edge single phase UPS**

- Reliable and powerful: 0.9 output power factor, ensuring more active power to protect larger loads
- Up to 6 auto-discoverable external battery cabinets for longer runtime
- Highly efficient: up to 98% in normal operation mode, providing energy and cost savings
- Up to 10 power outlets, with 3 controllable in a group for optimum battery usage
- Color graphic LCD screen
- Advanced Automatic Voltage Regulator (AVR) design for a more stable output voltage regulation
- Standard 3-years warranty for both electronics and batteries

## Vertiv™ Edge Highlights



### LCD display

Color and graphic LCD display for an intuitive user interface



### High output power factor (0.9)

It enables Vertiv Edge single phase UPS to protect more loads



### External battery cabinets

The Rack/Tower models allow longer runtimes thanks to the external battery cabinets with auto-detection

### Efficiency up to 98%

High efficiency in normal operation mode means an optimized energy management, thus providing energy savings



### Flexibility

Easy to install and a wide range of power ratings, from 500VA up to 3000VA, available in multiple form factors: tower, 1U rack mount and rack/tower



### Leading technology

Advanced AVR design (2 x boost / 1 buck taps) for a more stable output voltage regulation



### Controllable outlets

Enables load shedding of non-critical loads, so critical loads can have longer runtime



# Vertiv™ Edge single phase UPS

## Reliable UPS Protection At The All-Important Network Edge

The network Edge is becoming increasingly important as companies seek to take advantage of Internet of Things, cloud computing and other applications that require localized compute power, networking services and data storage – all with low latency. Distributed and Edge data centers are now no less important to business success than large centralized data centers, so must be afforded similar power protection.

The Vertiv™ Edge line interactive UPS family is intended for distributed IT and Edge applications that require reliable, efficient power protection for server and networking equipment. It comes in tower, rack tower and rack mount form factors, with capacities ranging from 500VA to 3000VA. Each model has a 0.9 output power factor (PF), enabling them to protect larger loads than competing models of the same capacity.

Vertiv Edge single phase UPSs support up to 6 extended-run battery cabinets (EBCs), providing more runtime at full load than comparable competing UPSs. An auto-detect feature make the EBCs easy to add and configure.

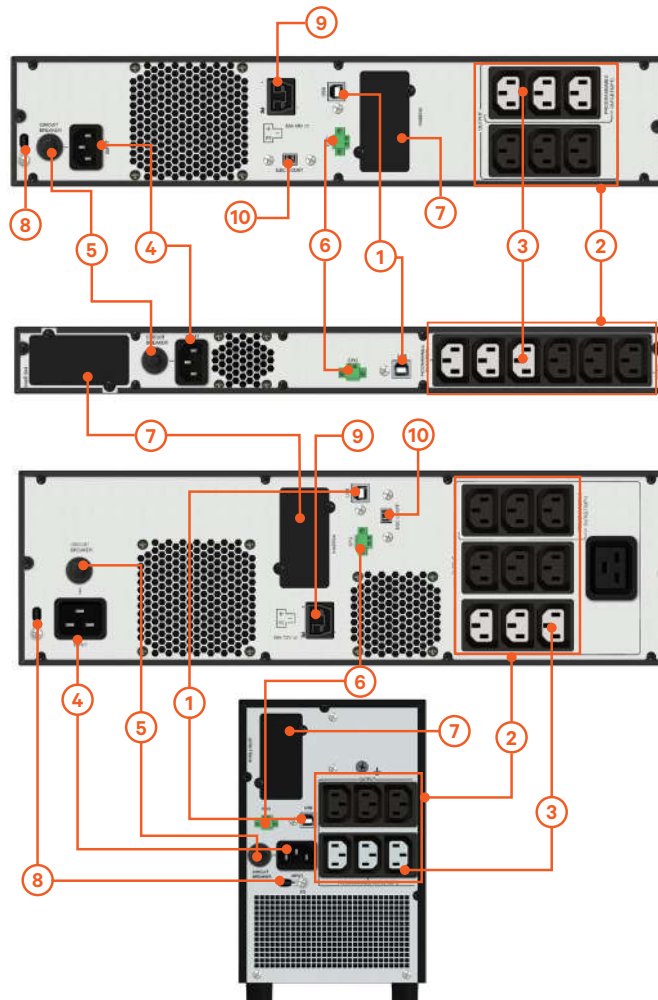
Vertiv Edge single phase UPSs are also highly manageable, with a colorful, graphical LCD screen for easy, intuitive on-site management, as well as optional SNMP support. Vertiv Edge single phase UPS is compatible with the free [Vertiv Power Assist](#) software for local UPS status and shutdown of IT loads connected locally or [Vertiv Power Insight](#) software for remote network management.

A standard 3-years warranty for both electronics and batteries protects your UPS investment.

## What's in the box

- Vertiv™ Edge single phase UPS
- USB type A to B Cable
- Quick Installation Guide and Safety instructions
- Adjustable 4-post rackmounting kit (not included with Tower models)
- Rackmounting ears/hardware
- Stabilizing feet for tower configuration (Rack/Tower models only)
- UPS management software (free download from [vertiv.com](#))
- 2 x IEC C13 to C14 output cables (1.8 m)
- Input power cables (UK, AUS, Schuko, 1.8 m)

1. USB Port
2. Output receptacles
3. Programmable outlet group
4. Input power socket
5. Input circuit breaker
6. Emergency Power Off (EPO) connector
7. Vertiv™ Intellislot Port for optional management cards
8. Earth terminal
9. External battery cabinet connection
10. Automatic battery detection connector



Vertiv™ Edge 1500VA  
2U Rack/Tower UPS

Vertiv™ Edge 1000VA  
1U Rack UPS

Vertiv™ Edge 3000VA  
3U Rack/Tower UPS

Vertiv™ Edge 1500VA  
Tower UPS

## Efficient & Green



**High efficiency:** Vertiv™ Edge single phase UPS operate at up to 98% efficiency in normal operation mode, saving on electricity costs throughout their lifetime.

**Extended battery life:** Deep discharge protection prevents the potential damage that can occur when a UPS battery fully drains.

**Configurable “Green function”:** When in battery mode with only very small loads, the UPS will automatically shut itself down for energy savings.

**Programmable outlets:** 3 of the 6 Vertiv Edge outlets are configurable (1 group), enabling users to shut down less-critical loads in the event of an outage to optimize battery runtime.

**RoHS and REACH compliant**

## Maximize Power Protection



**High output Power Factor:** Each Vertiv Edge single phase UPS operates at 0.9 output power factor (PF), which means that more active power can be used to protect IT equipment. That enables Vertiv Edge single phase UPSs to protect larger loads compared to competing models of the same capacity with a lower PF.

**Advanced AVR design:** Automatic voltage regulation (AVR) smooths out power spikes, swells and brownouts without the UPS switching to battery mode and help to extend battery life. The advanced design with 2 x boost / 1 x buck increases or decreases voltages as required to prevent the load from extreme supply voltages.

## Flexibility and Manageability



**Easy to install, configure and operate:** Auto-detect external battery cabinets and color LCD display help to make the UPS operation easier and the user interface more intuitive.

**Optional management cards:** For advanced remote monitoring and management of the UPS, including graceful shutdown.

**Environmental monitoring:** Optional web card also supports integration with environmental sensors, to detect excessive heat, moisture, motion and more.

**External battery cabinets:** Attach up to 6 external battery cabinets to gain additional runtime.

**Remote Emergency Power Off:** Allows the UPS to be remotely shutdown during an emergency.

**Optional Liebert MicroPOD Output Distribution and Maintenance Bypass Module:** When your computer system can't be without power, even for scheduled UPS maintenance, the Vertiv™ Liebert® MicroPOD ensures continuous uptime.

# Vertiv™ Edge single phase UPS

## Comprehensive Services for Critical Systems

### Power Emergency Package

The Power Emergency Package provides emergency support with 100% parts coverage and is available for single-phase UPS products up to 3kVA. Adding Vertiv services to your Vertiv Edge single phase UPS ensures you are protected during an emergency.

- Five years service coverage
- 24x7 professional Helpline
- Advanced replacement of the faulty unit
- Shipping costs covered by Vertiv
- Coverage for both electronic parts and battery failures
- The Power Emergency Premier version also provides remote diagnostic and preventive monitoring with Vertiv™ LIFE™ Services, enabled via the optional Liebert® Intellislot Unity Card

### Installation and Start-up Services

Installation and Start-up Services provide on-site technical support for installation and start-up of your UPS or battery cabinet, ensuring you get up and running as quickly as possible:

- Installation for 3kVA models includes mounting the new UPS and battery cabinets in 8x5 (PS-RUPS-INSTL85-005) or 24x7 (PS-RUPS-INSTL247-005)
- Start-up available for 3kVA models in 2 scheduling options, in 8x5 (PS-RUPS-ST85-005) or 24x7 (PS-RUPS-ST247-005)
- Services performed by a Vertiv factory trained technician

| Vertiv™ Edge 1U Rack Mount | Power Emergency | Power Emergency Premier | Warranty Extension +1 year | Warranty Extension +3 years |
|----------------------------|-----------------|-------------------------|----------------------------|-----------------------------|
| 500 VA                     | RUPS-PE5-003    | -                       | RUPS-WE1-003               | RUPS-WE3-003                |
| 1000/1500 VA               | RUPS-PE5-004    | -                       | RUPS-WE1-004               | RUPS-WE3-004                |
| Vertiv™ Edge 2U/3U RT      | Power Emergency | Power Emergency Premier | Warranty Extension +1 year | Warranty Extension +3 years |
| 1500 VA                    | RUPS-PE5-004    | -                       | RUPS-WE1-004               | RUPS-WE3-004                |
| 2200 VA                    | RUPS-PE5-005    | -                       | RUPS-WE1-005               | RUPS-WE3-005                |
| 3000 VA                    | RUPS-PE5-005    | RUPS-PEP5-005           | RUPS-WE1-005               | RUPS-WE3-005                |
| Vertiv™ Edge Tower         | Power Emergency | Power Emergency Premier | Warranty Extension +1 year | Warranty Extension +3 years |
| 750 VA                     | RUPS-PE5-003    | -                       | RUPS-WE1-003               | RUPS-WE3-003                |
| 1000 VA                    | RUPS-PE5-003    | -                       | RUPS-WE1-003               | RUPS-WE3-003                |
| 1500 VA                    | RUPS-PE5-004    | -                       | RUPS-WE1-004               | RUPS-WE3-004                |

Note: Service offerings are available only in select countries, please check with your Vertiv representative if yours is included. Timing may vary depending on local country public holidays and other considerations. Please refer to the appropriate Scope of Work for additional details.

## Build Your Total Infrastructure Solution with Vertiv

*Discover expert designed IT infrastructure solutions with proven success in diverse environments and countless applications.*

### Vertiv™ Geist™ rPDU

Reliable power distribution with outlet level remote monitoring and management providing the highest level of power visibility and control.

### Vertiv™ VR Rack

Self-contained 42U server rack designed to simplify equipment installation and provides an additional 6cm of useable depth.

### Vertiv™ VRC

Keep critical IT equipment cool with a dedicated high-efficiency rack-mount cooling system with scalable capacity.



### Cable and Air Flow Management

Included accessories ensure proper cable management and airflow to keep your equipment cool.

### Software and IT Management

Monitor the entire system either locally or remotely to ensure you are alerted of out-of-range conditions that could result in costly downtime.

### Vertiv™ Edge single phase UPS

Protect mission critical equipment in the event of power loss or extreme power fluctuations.

Visit [Vertiv.com](https://www.vertiv.com) or contact a Vertiv Sales Representative today to find out how Vertiv can help you configure an all-in-one infrastructure solution.

## Technical Specifications - 1U Rack Mount Models

| Model Number                                           | EDGE-500IRM1U                                                 | EDGE-1000IRM1U                                                | EDGE-1500IRM1U                                                |
|--------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Rating (VA/W)                                          | 500VA/450W                                                    | 1000VA/900W                                                   | 1500VA/1350W                                                  |
| <b>Dimensions, mm</b>                                  |                                                               |                                                               |                                                               |
| Unit (W x D x H)                                       | 438 x 380 x 43                                                | 438 x 480 x 43                                                | 438 x 600 x 43                                                |
| Shipping (W x D x H)                                   | 550 x 620 x 200                                               | 570 x 700 x 200                                               | 570 x 780 x 200                                               |
| <b>Weight, kg</b>                                      |                                                               |                                                               |                                                               |
| Unit                                                   | 11                                                            | 16                                                            | 23                                                            |
| Shipping                                               | 17                                                            | 23                                                            | 30                                                            |
| <b>Input AC Parameters</b>                             |                                                               |                                                               |                                                               |
| Voltage Range Without Battery Operation (230V default) | 166 - 278                                                     | 166 - 278                                                     | 166 - 278                                                     |
| Frequency Range (Hz)                                   | 45 - 65, autosensing                                          | 45 - 65, autosensing                                          | 45 - 65, autosensing                                          |
| Input Power Connector                                  | IEC60320 C14                                                  | IEC60320 C14                                                  | IEC60320 C14                                                  |
| Surge Protection (J)                                   | 624                                                           | 624                                                           | 624                                                           |
| <b>Output AC Parameters</b>                            |                                                               |                                                               |                                                               |
| Output Receptacles                                     | 3 + 3 IEC60320 C13                                            | 3 + 3 IEC60320 C13                                            | 3 + 3 IEC60320 C13                                            |
| Output Receptacles - Controllable                      | Yes - 1 group                                                 | Yes - 1 group                                                 | Yes - 1 group                                                 |
| Output Voltage                                         | 200/208/220/230/240                                           | 200/208/220/230/240                                           | 200/208/220/230/240                                           |
| Waveform (Battery Operation)                           | Pure Sine Wave                                                | Pure Sine Wave                                                | Pure Sine Wave                                                |
| Transfer Time                                          | 4 - 6 ms Typical                                              | 4 - 6 ms Typical                                              | 4 - 6 ms Typical                                              |
| Output Overload (AC Mode)                              | 106% - 125% @ 60 s<br>126% - 150% @ 50 s<br>151% - 200% @ 2 s | 106% - 125% @ 60 s<br>126% - 150% @ 50 s<br>151% - 200% @ 2 s | 106% - 125% @ 60 s<br>126% - 150% @ 50 s<br>151% - 200% @ 2 s |
| Efficiency (full load, line mode, typ)                 | 96%                                                           | 97%                                                           | 97%                                                           |
| <b>Battery</b>                                         |                                                               |                                                               |                                                               |
| Type                                                   | Valve-regulated, non-spillable, lead acid                     | Valve-regulated, non-spillable, lead acid                     | Valve-regulated, non-spillable, lead acid                     |
| Recharge Time (Internal batteries, typical)            | 3 hr @ 90%                                                    | 3 hr @ 90%                                                    | 3 hr @ 90%                                                    |
| <b>Environmental</b>                                   |                                                               |                                                               |                                                               |
| Operating Temperature (°C)                             | 0 to 40                                                       | 0 to 40                                                       | 0 to 40                                                       |
| Storage Temperature (°C)                               | -25°C to +55 without battery inside                           | -25 to +55 without battery inside                             | -25 to +55 without battery inside                             |
| Relative Humidity (Operation)                          | 20% to 90%                                                    | 20% to 90%                                                    | 20% to 90%                                                    |
| Operating Altitude (m)                                 | 3000                                                          | 3000                                                          | 3000                                                          |
| Audible Noise (line mode)                              | <40dB normal mode, <70% load<br><45dB AVR mode, >70% load"    | <40dB normal mode, <70% load<br><45dB AVR mode, >70% load"    | "<40dB normal mode, <70% load<br><45dB AVR mode, >70% load"   |
| Form Factor                                            | Rack (1U)                                                     | Rack (1U)                                                     | Rack (1U)                                                     |
| <b>Agency</b>                                          |                                                               |                                                               |                                                               |
| Compliance                                             | CE, CB Report, EAC, RCM, UKCA                                 | CE, CB Report, EAC, RCM, UKCA                                 | CE, CB Report, EAC, RCM, UKCA                                 |
| Safety                                                 | IEC/EN62040-1                                                 | IEC/EN62040-1                                                 | IEC/EN62040-1                                                 |
| Transportation                                         | ISTA 2A                                                       | ISTA 2A                                                       | ISTA 2A                                                       |
| Environmental                                          | RoHS2 / REACH / WEEE                                          | RoHS2 / REACH / WEEE                                          | RoHS2 / REACH / WEEE                                          |
| <b>Warranty</b>                                        |                                                               |                                                               |                                                               |
| Warranty                                               | 3 years                                                       | 3 years                                                       | 3 years                                                       |

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## Technical Specifications - Tower Models

| Model Number                                           | EDGE-750IMT                                                   | EDGE-1000IMT                                                  | EDGE-1500IMT                                                  |
|--------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Rating (VA/W)                                          | 750VA/675W                                                    | 1000VA/900W                                                   | 1500VA/1350W                                                  |
| <b>Dimensions, mm</b>                                  |                                                               |                                                               |                                                               |
| Unit (W x D x H)                                       | 145 x 370 x 220                                               | 145 x 370 x 220                                               | 145 x 480 x 220                                               |
| Shipping (W x D x H)                                   | 230 x 450 x 325                                               | 230 x 450 x 325                                               | 230 x 570 x 325                                               |
| <b>Weight, kg</b>                                      |                                                               |                                                               |                                                               |
| Unit                                                   | 13                                                            | 14                                                            | 20                                                            |
| Shipping                                               | 15                                                            | 16                                                            | 23                                                            |
| <b>Input AC Parameters</b>                             |                                                               |                                                               |                                                               |
| Voltage Range Without Battery Operation (230V default) | 166 - 278                                                     | 166 - 278                                                     | 166 - 278                                                     |
| Frequency Range (Hz)                                   | 45 - 65, autosensing                                          | 45 - 65, autosensing                                          | 45 - 65, autosensing                                          |
| Input Power Connector                                  | IEC60320 C14                                                  | IEC60320 C14                                                  | IEC60320 C14                                                  |
| Surge Protection (J)                                   | 624                                                           | 624                                                           | 624                                                           |
| <b>Output AC Parameters</b>                            |                                                               |                                                               |                                                               |
| Output Receptacles                                     | 3 + 2 IEC60320 C13                                            | 3 + 2 IEC60320 C13                                            | 3 + 3 IEC60320 C13                                            |
| Output Receptacles - Controllable                      | Yes - 1 group                                                 | Yes - 1 group                                                 | Yes - 1 group                                                 |
| Output Voltage                                         | 200/208/220/230/240                                           | 200/208/220/230/240                                           | 200/208/220/230/240                                           |
| Waveform (Battery Operation)                           | Pure Sine Wave                                                | Pure Sine Wave                                                | Pure Sine Wave                                                |
| Transfer Time                                          | 4 - 6 ms Typical                                              | 4 - 6 ms Typical                                              | 4 - 6 ms Typical                                              |
| Output Overload (AC Mode)                              | 106% - 125% @ 60 s<br>126% - 150% @ 50 s<br>151% - 200% @ 2 s | 106% - 125% @ 60 s<br>126% - 150% @ 50 s<br>151% - 200% @ 2 s | 106% - 125% @ 60 s<br>126% - 150% @ 50 s<br>151% - 200% @ 2 s |
| Efficiency (full load, line mode, typ)                 | 95%                                                           | 96%                                                           | 97%                                                           |
| <b>Battery</b>                                         |                                                               |                                                               |                                                               |
| Type                                                   | Valve-regulated, non-spillable, lead acid                     | Valve-regulated, non-spillable, lead acid                     | Valve-regulated, non-spillable, lead acid                     |
| Recharge Time (internal batteries, typical)            | 3 hr @ 90%                                                    | 3 hr @ 90%                                                    | 3 hr @ 90%                                                    |
| <b>Environmental</b>                                   |                                                               |                                                               |                                                               |
| Operating Temperature (°C)                             | 0 to 40                                                       | 0 to 40                                                       | 0 to 40                                                       |
| Storage Temperature (°C)                               | -25 to +55 without battery inside                             | -25 to +55 without battery inside                             | -25 to +55 without battery inside                             |
| Relative Humidity (Operation)                          | 20% to 90%                                                    | 20% to 90%                                                    | 20% to 90%                                                    |
| Operating Altitude (m)                                 | 3000                                                          | 3000                                                          | 3000                                                          |
| Audible Noise (line mode)                              | <40dB normal mode, <70% load<br><45dB AVR mode, >70% load     | <40dB normal mode, <70% load<br><45dB AVR mode, >70% load     | <40dB normal mode, <70% load<br><45dB AVR mode, >70% load     |
| Form Factor                                            | Tower                                                         | Tower                                                         | Tower                                                         |
| <b>Agency</b>                                          |                                                               |                                                               |                                                               |
| Compliance                                             | CE, CB Report, EAC, RCM, UKCA                                 | CE, CB Report, EAC, RCM, UKCA                                 | CE, CB Report, EAC, RCM, UKCA                                 |
| Safety                                                 | IEC/EN62040-1                                                 | IEC/EN62040-1                                                 | IEC/EN62040-1                                                 |
| Transportation                                         | ISTA 2A                                                       | ISTA 2A                                                       | ISTA 2A                                                       |
| Environmental                                          | RoHS2 / REACH / WEEE                                          | RoHS2 / REACH / WEEE                                          | RoHS2 / REACH / WEEE                                          |
| <b>Warranty</b>                                        |                                                               |                                                               |                                                               |
| Warranty                                               | 3 years                                                       | 3 years                                                       | 3 years                                                       |

## Technical Specifications - 2-3U Rack/Tower models

| Model Number                                           | EDGE-1500IRT2UXL                                              | EDGE-2200IRT2UXL                                              | EDGE-3000IRT2UXL                                              | EDGE-3000IRT3UXL                                              |
|--------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Rating (VA/W)                                          | 1500VA/1350W                                                  | 2200VA/1980W                                                  | 3000VA/2700W                                                  | 3000VA/2700W                                                  |
| <b>Dimensions, mm</b>                                  |                                                               |                                                               |                                                               |                                                               |
| Unit (W x D x H)                                       | 438 x 510 x 86                                                | 438 x 630 x 86                                                | 438 x 630 x 86                                                | 438 x 485 x 132                                               |
| Shipping (W x D x H)                                   | 565 x 700 x 240                                               | 600 x 760 x 240                                               | 600 x 760 x 240                                               | 550 x 650 x 282                                               |
| <b>Weight, kg</b>                                      |                                                               |                                                               |                                                               |                                                               |
| Unit                                                   | 21                                                            | 27                                                            | 34                                                            | 34                                                            |
| Shipping                                               | 26                                                            | 33                                                            | 39                                                            | 39                                                            |
| <b>Input AC Parameters</b>                             |                                                               |                                                               |                                                               |                                                               |
| Voltage Range Without Battery Operation (230V default) | 166 - 278                                                     | 166 - 278                                                     | 166 - 278                                                     | 166 - 278                                                     |
| Frequency Range (Hz)                                   | 45 - 65, autosensing                                          | 45 - 65, autosensing                                          | 45 - 65, autosensing                                          | 45 - 65, autosensing                                          |
| Input Power Connector                                  | IEC60320 C14                                                  | IEC60320 C20                                                  | IEC60320 C20                                                  | IEC60320 C20                                                  |
| Surge Protection (J)                                   | 624                                                           | 624                                                           | 624                                                           | 624                                                           |
| <b>Output AC Parameters</b>                            |                                                               |                                                               |                                                               |                                                               |
| Output Receptacles                                     | 3 + 3 IEC60320 C13                                            | 3 + 3 IEC60320 C13<br>+ 1 IEC60320 C19                        | 3 + 3 IEC60320 C13<br>+ 1 IEC60320 C19                        | 6 + 3 IEC320 C13<br>+ 1 IEC320 C19                            |
| Output Receptacles - Controllable                      | Yes - 1 group                                                 | Yes - 1 group                                                 | Yes - 1 group                                                 | Yes - 1 group                                                 |
| Output Voltage                                         | 200/208/220/230/240                                           | 200/208/220/230/240                                           | 200/208/220/230/240                                           | 200/208/220/230/240                                           |
| Waveform (Battery Operation)                           | Pure Sine Wave                                                | Pure Sine Wave                                                | Pure Sine Wave                                                | Pure Sine Wave                                                |
| Transfer Time                                          | 4 - 6 ms Typical                                              | 4 - 6 ms Typical                                              | 4 - 6 ms Typical                                              | 4 - 6 ms Typical                                              |
| Output Overload (AC Mode)                              | 106% - 125% @ 60 s<br>126% - 150% @ 50 s<br>151% - 200% @ 2 s | 106% - 125% @ 60 s<br>126% - 150% @ 50 s<br>151% - 200% @ 2 s | 106% - 125% @ 60 s<br>126% - 150% @ 50 s<br>151% - 200% @ 2 s | 106% - 125% @ 60 s<br>126% - 150% @ 50 s<br>151% - 200% @ 2 s |
| Efficiency (full load, line mode, type)                | 97%                                                           | 97%                                                           | 98%                                                           | 98%                                                           |
| <b>Battery</b>                                         |                                                               |                                                               |                                                               |                                                               |
| Type                                                   | Valve-regulated, non-spillable, lead acid                     | Valve-regulated, non-spillable, lead acid                     | Valve-regulated, non-spillable, lead acid                     | Valve-regulated, non-spillable, lead acid                     |
| Recharge Time (internal batteries, typical)            | 3 hr @ 90%                                                    | 3 hr @ 90%                                                    | 3 hr @ 90%                                                    | 3 hr @ 90%                                                    |
| Compatible External Battery Cabinet                    | GXT5-EBC48VRT2UE                                              | GXT5-EBC72VRT2UE                                              | GXT5-EBC72VRT2UE                                              | GXT5-EBC72VRT2UE                                              |
| <b>Environmental</b>                                   |                                                               |                                                               |                                                               |                                                               |
| Operating Temperature (°C)                             | 0 to 40                                                       | 0 to 40                                                       | 0 to 40                                                       | 0 to 40                                                       |
| Storage Temperature (°C)                               | -25 to +55<br>without battery inside                          | -25 to +55<br>without battery inside                          | -25 to +55<br>without battery inside                          | -25 to +55<br>without battery inside                          |
| Relative Humidity (Operation)                          | 20% to 90%                                                    | 20% to 90%                                                    | 20% to 90%                                                    | 20% to 90%                                                    |
| Operating Altitude (m)                                 | 3000                                                          | 3000                                                          | 3000                                                          | 3000                                                          |
| Audible Noise (line mode)                              | <40dB normal mode, <70% load<br><45dB AVR mode, >70% load     | <40dB normal mode, <70% load<br><45dB AVR mode, >70% load     | <40dB normal mode, <70% load<br><45dB AVR mode, >70% load     | <40dB normal mode, <70% load<br><45dB AVR mode, >70% load     |
| Form Factor                                            | Rack / Tower (2U)                                             | Rack / Tower (2U)                                             | Rack / Tower (2U)                                             | Rack / Tower (3U)                                             |
| <b>Agency</b>                                          |                                                               |                                                               |                                                               |                                                               |
| Compliance                                             | CE, CB Report, EAC, RCM, UKCA                                 | CE, CB Report, EAC, RCM, UKCA                                 | CE, CB Report, EAC, RCM, UKCA                                 | CE, CB Report, EAC, RCM, UKCA                                 |
| Safety                                                 | IEC/EN62040-1                                                 | IEC/EN62040-1                                                 | IEC/EN62040-1                                                 | IEC/EN62040-1                                                 |
| Transportation                                         | ISTA 2A                                                       | ISTA 2A                                                       | ISTA 2A                                                       | ISTA 2A                                                       |
| Environmental                                          | RoHS2 / REACH / WEEE                                          | RoHS2 / REACH / WEEE                                          | RoHS2 / REACH / WEEE                                          | RoHS2 / REACH / WEEE                                          |
| <b>Warranty</b>                                        |                                                               |                                                               |                                                               |                                                               |
| Warranty                                               | 3 years                                                       | 3 years                                                       | 3 years                                                       | 3 years                                                       |

# Vertiv™ Edge single phase UPS

## Accessories and Options

### Vertiv™ Liebert® MicroPOD – Maintenance Bypass and Output Distribution

The Liebert® MicroPOD (Power Output Distribution) is a maintenance bypass option for UPS products, 3kVA and below. It allows removal of the UPS without powering down the connected equipment.



| UPS Model                                                             | MicroPOD Model | Input socket | Output receptacles                 |
|-----------------------------------------------------------------------|----------------|--------------|------------------------------------|
| EDGE-500IRM1U<br>EDGE-1000IRM1U<br>EDGE-1500IRM1U<br>EDGE-1500IRT2UXL | MP2-210K       | IEC60320-C14 | 8 IEC60320-C13                     |
| EDGE-2200IRT2UXL<br>EDGE-3000IRT2UXL<br>EDGE-3000IRT3UXL              | MP2-220L       | IEC60320-C20 | 6 IEC60320-C13 &<br>1 IEC60320-C19 |

### Network Communication Cards and Environmental Sensors

Optional Intellislot cards are compatible with all Vertiv™ Edge single phase UPS systems.



|                        |               |                                                                              |
|------------------------|---------------|------------------------------------------------------------------------------|
| Network Communications | IS-UNITY-SNMP | 10/100 Mbit Ethernet SNMP, Device Web Page, with MIB and configuration cable |
|                        | IS-UNITY-DP   | Same as IS-UNITY-SNMP, plus SN Series environmental sensor support           |
|                        | IS-RELAY      | Intellislot Interface Kit for Relay Contacts                                 |
|                        | SN-T          | Modular with single temperature sensor                                       |
| Environmental Sensors  | SN-TH         | Modular with single temperature and humidity sensor                          |
|                        | SN-2D         | Modular with two door contact inputs                                         |
|                        | SN-3C         | Modular with three dry-contact inputs                                        |
|                        | SN-Z01        | Integrated cable with single temperature sensors                             |
|                        | SN-Z02        | Integrated cable with three temperature sensors                              |
|                        | SN-Z03        | Integrated cable with three temp. sensors & 1 humidity sensor                |

## External Battery Cabinets

| UPS Model                                                | External battery cabinet |
|----------------------------------------------------------|--------------------------|
| EDGE-1500IRT2UXL                                         | GXT5-EBC48VRT2UE         |
| EDGE-2200IRT2UXL<br>EDGE-3000IRT2UXL<br>EDGE-3000IRT3UXL | GXT5-EBC72VRT2UE         |



Note: Railkit (RMKIT18-32) is not included in the external battery cabinets.

## Internal Battery Replacement Kits

| UPS Model        | Battery replacement kit |
|------------------|-------------------------|
| EDGE-500IRM1U    | EDGE-500I1UBATKIT       |
| EDGE-1000IRM1U   | EDGE-1000I1UBATKIT      |
| EDGE-1500IRM1U   | EDGE-1500I1UBATKIT      |
| EDGE-750IMT      | EDGE-1000IMTBATKIT      |
| EDGE-1000IMT     | EDGE-1000IMTBATKIT      |
| EDGE-1500IMT     | EDGE-1500IMTBATKIT      |
| EDGE-1500IRT2UXL | EDGE-1500IRT2UBATKIT    |
| EDGE-2200IRT2UXL | EDGE-3000IRT2UBATKIT    |
| EDGE-3000IRT2UXL | EDGE-3000IRT2UBATKIT    |
| EDGE-3000IRT3UXL | EDGE-3000IRT3UBATKIT    |

## Vertiv™ Edge Runtime Tables

### Edge 1U Rack Mount Models

| Load % | VA  | W   | EDGE-500IRM1U<br>Internal Batteries Only |
|--------|-----|-----|------------------------------------------|
| 100    | 500 | 450 | 5                                        |
| 70     | 350 | 315 | 9                                        |
| 50     | 250 | 225 | 15                                       |
| 20     | 100 | 90  | 42                                       |

| Load % | VA   | W   | EDGE-1000IRM1U<br>Internal Batteries Only |
|--------|------|-----|-------------------------------------------|
| 100    | 1000 | 900 | 5                                         |
| 70     | 700  | 630 | 9                                         |
| 50     | 500  | 450 | 15                                        |
| 20     | 200  | 180 | 42                                        |

| Load % | VA   | W    | EDGE-1500IRM1U<br>Internal Batteries Only |
|--------|------|------|-------------------------------------------|
| 100    | 1500 | 1350 | 5                                         |
| 70     | 1050 | 945  | 9                                         |
| 50     | 750  | 675  | 15                                        |
| 20     | 300  | 270  | 42                                        |

### Edge Tower models

| Load % | VA  | W   | EDGE-750IMT<br>Internal Batteries Only |
|--------|-----|-----|----------------------------------------|
| 100    | 750 | 675 | 5.9                                    |
| 70     | 525 | 473 | 10                                     |
| 50     | 375 | 338 | 17                                     |
| 20     | 150 | 135 | 47                                     |

| Load % | VA   | W   | EDGE-1000IMT<br>Internal Batteries Only |
|--------|------|-----|-----------------------------------------|
| 100    | 1000 | 900 | 5                                       |
| 70     | 700  | 630 | 9                                       |
| 50     | 500  | 450 | 15                                      |
| 20     | 200  | 180 | 43                                      |

| Load % | VA   | W    | EDGE-1500IMT<br>Internal Batteries Only |
|--------|------|------|-----------------------------------------|
| 100    | 1500 | 1350 | 6                                       |
| 70     | 1050 | 945  | 10                                      |
| 50     | 750  | 675  | 17                                      |
| 20     | 300  | 270  | 49                                      |

### Edge 2U-3U Rack/Tower models

| Load % | VA   | W    | EDGE-1500IRT2UXL<br>Internal Batteries Only | +1 EBC | +3EBCs | +6EBCs |
|--------|------|------|---------------------------------------------|--------|--------|--------|
| 100    | 1500 | 1350 | 6                                           | 27     | 85     | 177    |
| 70     | 1050 | 945  | 10                                          | 45     | 132    | 266    |
| 50     | 750  | 675  | 17                                          | 68     | 192    | 382    |
| 20     | 300  | 270  | 49                                          | 179    | 466    | 898    |

| Load % | VA   | W    | EDGE-2200IRT2UXL<br>Internal Batteries Only | +1 EBC | +3EBCs | +6EBCs |
|--------|------|------|---------------------------------------------|--------|--------|--------|
| 100    | 2200 | 1980 | 4.4                                         | 26     | 84     | 177    |
| 70     | 1540 | 1386 | 8                                           | 42     | 130    | 266    |
| 50     | 1100 | 990  | 14                                          | 65     | 192    | 385    |
| 20     | 440  | 396  | 39                                          | 170    | 461    | 898    |

| Load % | VA   | W    | EDGE-3000IRT2UXL<br>& EDGE-3000IRT3UXL<br>Internal Batteries Only | +1 EBC | +3EBCs | +6EBCs |
|--------|------|------|-------------------------------------------------------------------|--------|--------|--------|
| 100    | 3000 | 2700 | 6                                                                 | 19     | 61     | 129    |
| 70     | 2100 | 1890 | 10                                                                | 33     | 96     | 196    |
| 50     | 1500 | 1350 | 16                                                                | 51     | 144    | 286    |
| 20     | 600  | 540  | 43                                                                | 137    | 350    | 672    |

Runtime tool available at:

<https://www.vertiv.com/en-emea/support/tools-applications/vertiv-ups-interactive-runtime-tools/vertiv-edge-ups/>

