

# Vertiv™ Edge Lithium Ion

High Performance Line Interactive Power Protection



## Overview

The Vertiv™ Edge Lithium Ion line interactive UPS provides both power conditioning and battery backup to critical IT equipment such as servers and network gear ensuring your business-critical applications are protected in the event of an unanticipated loss of power or an unprecedented power surge. This UPS protects against a wide range of power fluctuations and automatically switches to battery backup when power loss is detected and offers a 0.9 output power factor (PF) with a less than 6 millisecond transfer time to ensure your most critical assets are protected.

### Vertiv™ Edge Lithium Ion Benefits versus VRLA UPSs

- Up to 3 times longer battery life
- Lowest TCO in the industry
- 5-year standard warranty on UPS and batteries
- Up to 10 minutes of runtime at full load (3kVA)
- Recharge to 90% in as little as 2 hours
- 45% Lighter
- 0.9 Power Factor
- Up to 10x more discharge cycles



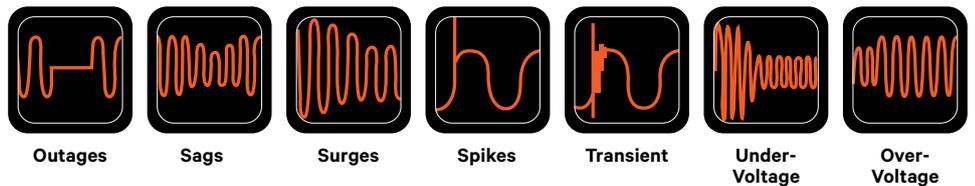
*Vertiv™ Edge Lithium Ion line interactive UPS is ideal for server rooms, network closets, and other edge or distributed IT applications.*

### Lowest Total Cost of Ownership (TCO)

The Vertiv™ Edge Lithium Ion line interactive UPS is intended for distributed IT and Edge applications that require reliable, efficient power protection for server and networking equipment. It comes in a flexible 2U rack/tower form factor, with capacities in 1500VA, 2200VA and 3000VA. Each model has 0.9 output power factor (PF), providing more useable power than competitive modes with the same capacity.

A standard 5-year warranty for the electronics and batteries protects your UPS investment and minimizes your total cost of ownership (TCO). Moreover, a longer battery life means less battery replacements, thus reducing recycling and waste materials.

### Protects Against



### What's in the box

- Vertiv™ Edge Lithium Ion UPS
- Quick Installation Guide
- Safety Instructions
- USB type A to B cable
- 4-post rail kit
- Screws, ears and mounting hardware
- Tower feet
- 2 x IEC C13 to C14 output cables
- Input power cables (x3)
- Vertiv™ Power Assist and Vertiv™ Power Insight management software ([free download](#))

## Technical Specifications

	EDGELI-1500IRT2U	EDGELI-2200IRT2U	EDGELI-3000IRT2U
<b>Power Rating (VA/W)</b>	1500VA / 1350W	2200VA / 1980W	3000VA / 2700W
<b>Form Factor</b>	Rack / Tower (2U)	Rack / Tower (2U)	Rack / Tower (2U)
<b>Dimensions, mm</b>			
Unit (W x D x H)	438 x 410 x 86	438 x 510 x 86	438 x 630 x 86
Shipping (W x D x H)	550 x 620 x 240	565 x 700 x 240	600 x 800 x 240
<b>Weight, kg</b>			
Unit	12.8	17.5	24.3
Shipping	20.4	25.2	32.1
<b>Input AC Parameters</b>			
Voltage Range Without Battery Operation (230V default)	166 - 278V	166 - 278V	166 - 278V
Frequency Range	45 - 65Hz, autosensing	45 - 65Hz, autosensing	45 - 65Hz, autosensing
Input Power Connector	IEC60320 C14	IEC60320 C20	IEC60320 C20
Surge Protection	624J	624J	624J
<b>Output AC Parameters</b>			
Output Receptacles	3 + 3 IEC60320 C13	3 + 3 IEC60320 C13 + 1 IEC60320 C19	3 + 3 IEC60320 C13 + 1 IEC60320 C19
Output Receptacles - Controllable	Yes - 1 group (3 x IEC60320 C13)	Yes - 1 group (3 x IEC60320 C13)	Yes - 1 group (3 x IEC60320 C13)
Output Voltage	200/208/220/230 (default) /240	200/208/220/230 (default) /240	200/208/220/230 (default) /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)	111% - 120% @ 10 s > 121% - Shutdown	111% - 120% @ 10 s > 121% - Shutdown	111% - 120% @ 10 s > 121% - Shutdown
Efficiency (full load, interactive mode)	97.5%	98.5%	98.5%
<b>Battery</b>			
Type	Li-ion (LiFePo4)	Li-ion (LiFePo4)	Li-ion (LiFePo4)
Quantity & Voltage & Capacity	1 x 48V x 5Ahr	2 x 72V x 2.5Ahr	3 x 72V x 2.5Ahr
Recharge Time (90% / 100%, from full discharge)	1.7 hrs / 1.9 hrs	1.7 hrs / 1.9 hrs	2.4 hrs / 2.7 hrs
Full-Load Runtime	8.7min	9.3min	10.5min
Half-Load Runtime	18.5min	20.2min	22.6min
<b>Environmental</b>			
Operating Temperature	0 to 40°C	0 to 40°C	0 to 40°C
Storage Temperature	-10°C to +45°C	-10°C to +45°C	-10°C to +45°C
Relative Humidity (Operation)	8% to 90%, non-condensing	8% to 90%, non-condensing	8% to 90%, non-condensing
Operating Altitude (without derating)	3000m	3000m	3000m
Audible Noise (line mode)	<45dBA AVR mode, >70% load < 55dBA Battery mode	<45dBA AVR mode, >70% load < 55dBA Battery mode	<45dBA AVR mode, >70% load < 55dBA Battery mode
<b>Agency</b>			
Compliance	CE, CB Report, EAC, RCM, UKCA	CE, CB Report, EAC, RCM, UKCA	CE, CB Report, EAC, RCM, UKCA
Safety	EN62040-1:2008+A1:2013 CB - IEC62619 li-ion battery	EN62040-1:2008+A1:2013 CB - IEC62619 li-ion battery	EN62040-1:2008+A1:2013 CB - IEC62619 li-ion battery
Environmental	RoHS2, REACH, WEEE	RoHS2, REACH, WEEE	RoHS2, REACH, WEEE
Transportation	ISTA 2A UPS UN38.3 (Lithium ion)	ISTA 2A UPS UN38.3 (Lithium ion)	ISTA 2A UPS UN38.3 (Lithium ion)
<b>Communications and Management</b>			
Slot for optional cards	Yes	Yes	Yes
Communication port	USB	USB	USB
Emergency Power Off (EPO)	Yes	Yes	Yes
<b>Warranty</b>			
Warranty	5 years on UPS and Battery	5 years on UPS and Battery	5 years on UPS and Battery