

Vertiv™ Edge Lithium-Ion UPS

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
- Recharge to 90% in as little as 2 hours
- 45% Lighter
- 0.9 Power Factor
- Up to 10x more discharge cycles



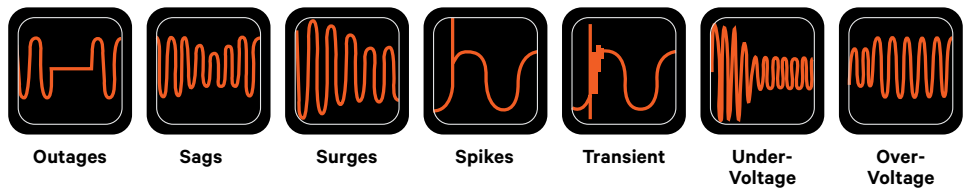
Vertiv™ Edge Lithium-Ion line-interactive UPS is ideal for server rooms, network closets, and other edge or distributed IT applications.

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 convertible form factor, with capacities in 1500VA, 2200VA and 3000VA. Each model has 0.9 output power factor (PF), providing more useable power than competitive models 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
Power Rating (VA/W)	1500VA / 1350W	2200VA / 1980W	3000VA / 2700W
Form Factor	Rack / Tower (2U)	Rack / Tower (2U)	Rack / Tower (2U)
Dimensions, mm			
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
Weight, kg			
Unit	12.8	17.5	24.3
Shipping	20.4	25.2	32.1
Input AC Parameters			
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
Output AC Parameters			
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%
Battery			
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
Environmental			
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
Agency			
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)
Communications and Management			
Slot for optional cards	Yes	Yes	Yes
Communication port	USB	USB	USB
Emergency Power Off (EPO)	Yes	Yes	Yes
Warranty			
Warranty	5 years on UPS and Battery	5 years on UPS and Battery	5 years on UPS and Battery

*For a full list of compliance certificates please contact your local Vertiv representative.

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