

Vertiv™ Liebert® 5kVA ITA2 UPS

5kVA, 208V Three-Phase UPS with integrated input / output cabling



Overview

The Vertiv™ Liebert® 5kVA ITA2 is an online UPS designed to power IT systems simply, reliably, and economically.

Key benefits

- Factory-installed L21-20P input / L21-20R output receptacle on six-foot long cables.
- Flexible placement: rack/tower configurable.
- Compact, high power density.
- Easy to install and manage.
- Unity power factor maximizes usable power.
- Operates efficiently to save energy.
- Extended battery run times available.
- VRLA/Lithium-Ion external battery options.
- TAA Compliant.

Designed for plug-and-play applications

The unit includes a 208/120v three-phase L21-20P input plug and an L21-20R output receptacle.

- IT closets, servers, and more.
- Branch and small-midsize IT systems.
- Medical/lab testing equipment.
- VoIP.
- ISDN & frame relay applications.
- Data storage systems.
- Facility security systems.
- Light industrial use.

A compact Three-Phase UPS solution offered with both VRLA and Lithium-ion batteries

For critical systems, consider the Vertiv™ Liebert® ITA2 UPS. It helps stabilize power to support protection of systems and data. Professionals can define the feature set they need to meet their IT performance goals.



Shown here is the Vertiv™ Liebert® ITA2 with (VRLA) battery cabinets



Options available for Vertiv™ Liebert® ITA2 UPS

Rackmount power made easy

- Compact UPS system with an intuitive control panel.
- Optimized modules minimize space used in the rack.
- Easily configurable via local display.
- Easy plug-and-play with factory-installed L21-20P / L21-20R for simple power connections.

Vertical/Tower placement

- Support base provides convenient and stable placement on a floor.
- Adjustable display panel for improved readability and ease of use.
- Configuration easily extends to batteries.

Shown: UPS and battery cabinets in tower configuration.

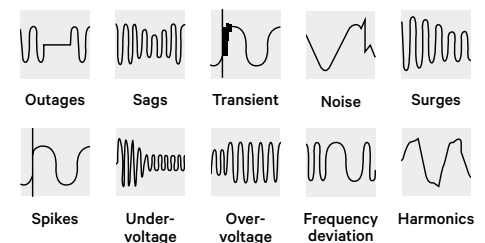
Flexible, reliable, and functional

The Vertiv Liebert ITA2 offers a space-saving design to meet your power needs. Options are available to address specific runtimes, distribution and availability requirements.

Save now, save later compared to competitive models

- Help minimize footprint compared to traditional room-based UPS with a rack-mount form factor.
- Reduce operating costs with highest efficiency ratings.
- Help minimize downtime costs with high reliability.
- Lower TCO with long battery life management and hardware.

Protect critical IT systems from all key electrical threats



Intelligent communications

The Vertiv™ Liebert® ITA2 offers an intuitive control panel, network connectivity communications card and optional software monitoring, all designed to support visibility, control, and peace of mind for manned or unmanned locations. You can even monitor key environmental and room conditions.

Vertiv™ Power Insight

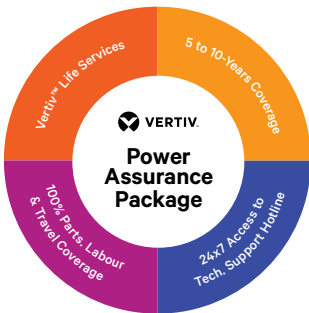
Vertiv Power Insight is an application that can monitor your Vertiv™ Liebert® UPS systems and provide real-time trending for critical UPS performance management. In the event of a need to shutdown the UPS, the software initiates a graceful shutdown routine, designed to help protect data and connected systems.



Additional Service and Support Options

We get you started and keep you going. Vertiv™ Services provides the expertise and support designed to help maintain availability for critical systems. Several programs are available to meet the needs of your operation.

Extended-runtime battery cabinet: ITA2-BCI0020K02
Each cabinet system adds 14 minutes of runtime at full load.



Vertiv™ Liebert®
Power Assurance Package

The Vertiv™ Liebert® Power Assurance Package from Vertiv Services gives you a trusted partner and a complete, worry-free power protection solution to help maintain uptime at your small or remote IT sites.








Vertiv™ LIFE™ Services provides secure, remote monitoring by experts to provide early detection and response.

Technical support / Service

Website: www.Vertiv.com | **Monitoring:** Liebert.Monitoring@Vertiv.com |
800-222-5877 | Outside North America:
+00800-1155-4499 | **Three-Phase UPS & Power Systems** 800-543-2378 |
Outside North America: 614-841-6598

This UPS can monitor:

-  **Capacity**
-  **Temperature**
-  **Humidity**
-  **Access**
-  **Leaks**

IS-Unity card - Supports remote and local environmental monitoring. Compatible with Vertiv™ Environet™ Alert and Vertiv™ Power Insight. Connect to IT networks and building management systems (BACNET/MODBUS).

Vertiv™ Rack PDUs available:

Switched models

- NU30003 - Outlet monitor - NEMA 5-20R (24)
- NU30002L - Outlet monitor - IEC C13 (21), C19 (3)
- NU30001L - Outlet monitor - IEC C13 (24)
- NS30003 - Unit monitor - NEMA 5-20R (24)
- NS30002L - Unit monitor - IEC C13 (21), C19 (3)
- NS30001L - Unit monitor - IEC C13 (24)

Monitored models

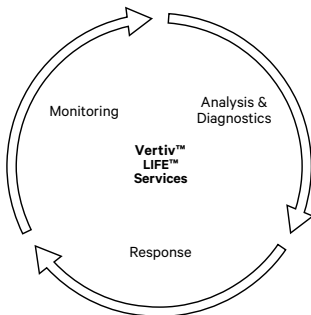
- NR30003 - Outlet level - NEMA 5-20R (24)
- NR30002L - Outlet level - IEC C13 (21), C19 (3)
- NR30001L - Outlet level - IEC C13 (24)
- NI30050L - Unit level - IEC C13 (36), C19 (6)
- NI30049L - Unit level - IEC C13 (33), IEC C19 (6), 5-20R (2)

Metered models

- I10059L - Upgradeable - IEC C13 (36), IEC C19 (6)
- I10058L - Upgradeable - IEC C13 (33), IEC C19 (6), 5-20R (2)

Basic models

- I10006L - Upgradeable - IEC C13 (36), IEC C19 (6)
- I10005L - Upgradeable - IEC C13 (33), IEC C19 (6), 5-20R (2)
- I5205VH - Standard - IEC C13 (36), IEC C19 (6), 5-20R (2)
- 12600 - Standard - IEC C13 (24), IEC C19 (6)
- 11335 - Standard - NEMA 5-20R (24), L6-20R (6)
- 11151VH - Standard - IEC C13 (24), IEC C19 (6)
- 111092 - Standard - NEMA 5-20R (24)



Vertiv™ LIFE™ Services



Vertiv™ Liebert® ITA2 UPS - Services

Power assurance package

Bundled start-up service and 5-year on-site emergency response	Standard	With Vertiv™ LIFE™ Services	With removal	With Vertiv™ LIFE™ and removal
Equipment model / type	Part number	Part number	Part number	Part number
Vertiv™ Liebert® ITA2 5-40 kVA	PAPITA-5-40K	PAPITA-5-40KLF	PAPITA-5-40KRMV	PAPITA-5-40KRLF
External battery cabinets-VRLA (192V)	PAPITA-BATT	N/A	PAPITA-BATTRMV	N/A
External battery cabinets-Lithium ion (192V)	PAPITA-LI192VBATT	N/A	PAPITA-LI192VBATTRMV	N/A

Power startup services

Startup service only (24x7)	Standard	With removal
Equipment model / type	Part number	Part number
Vertiv™ Liebert® ITA2 5-40 kVA	SUITA2-40U7	N/A
External battery cabinets-VRLA (192V)	SUITA2-EBCU7	N/A
External battery cabinets-Lithium ion (192V)	SUITA2-EBCU7	N/A

Startup service only, Mon–Fri (8x5)	Standard	With removal
Equipment model / type	Part number	Part number
Vertiv™ Liebert® ITA2 5-40 kVA	SUITA2-40MF	N/A
External battery cabinets-VRLA (192V)	SUITA2-EBCMF	N/A
External battery cabinets-Lithium ion (192V)	SUITA2-EBCMF	N/A

Power emergency services

5-year on-site emergency coverage - Only	Standard	With Vertiv™ LIFE™ Services
Equipment model / type	Part number	Part number
Vertiv™ Liebert® ITA2 5-40 kVA	PEPITA-5-40K5YR	PEPITA-5K40KLF
External battery cabinets-VRLA (192V)	PEPITA-BATT5YR	N/A
External battery cabinets-Lithium ion (192V)	PEPITA-LI192VBATT5YR	N/A

Vertiv™ Liebert® ITA2 extended warranty (5-40kVA)

	Additional 1 year	Additional 3 years
Equipment model / type	Warranty part number	Warranty part number
Vertiv™ Liebert® ITA2 5-40 kVA	1WEITA2-40K208	3WEITA2-40K208
External battery cabinets-VRLA (192V)	1WEITA2-EBC	3WEITA2-EBC
External battery cabinets-Lithium ion (192V)	N/A	N/A



Vertiv™ Liebert® ITA2 UPS Specifications

Item	Vertiv™ Liebert® ITA2 ITA2 5kVA UPS	
Part number	ITA2-05KRT2087UCNTAA	
Input 3 phase	Rated voltage	208 VAC, 3 Phase, 4W+Gnd
	Voltage range	96 VAC ~ 144 VAC
	Rated frequency / range	60 Hz (40 Hz ~ 70 Hz)
	Power factor	≥0.99, at full load; ≥0.98, at half load
	Input power connection	L21-20P (6-foot molded cable)
Output 3 phase	Rated power	5kW
	Power factor	1
	Voltage	208/120VAC (3 Phase, 4W + Gnd)
	Frequency synchronization range	Rated frequency ± 3 Hz. Configurable range: ±0.5 Hz ~ ±5 Hz
	Frequency track rate	0.5 Hz/s. Configurable range: 0.2/0.5/1 Hz/s (single UPS), 0.2 Hz/s (parallel system)
	Crest factor	3:1
	Voltage harmonic distortion	<4% (linear load); <5% (non-linear load)
	Overload capacity	Upper limit: +10%; Lower limit: -10%, -15%, -20%; default -10%
	Bypass voltage	At 25°C: 105% ~ 125%, 5 min; 125% ~ 150%, 1 min; 150%, 200 ms
	AC-AC efficiency	Up to 93%
	Output power connection	L21-20R (6-foot molded cable)
	Battery	Type
Runtime (Full load / Half load)		14 / 26 min
Rated voltage		384VDC
Maximum charge current, A		≤3.5 A
Utility to battery		1.8ms
Transfer time	Inverter to bypass	Synchronous transfer: ≤0 ms; Asynchronous transfer (default): ≤20 ms, or 40 ms, 60 ms, 80 ms, 100 ms, and 200 ms
Noise		≤55 dB
Panel display mode		Color LCD
Safety		IEC/EN62040-1; UL/CSA, cULus (UL 1778 5th Edition, CSA No. 22.2 107.3)
EMC	Conduction emission	IEC/EN62040-2
	Harmonic current	IEC/EN61000-3-12
Surge protection		IEC/EN-61000-4-5, Endurance level 4 (4kV) (live line to earth), Level 3 (2kV) (during live lines); ANSI C62.41, 6kV/20hms
Protection level		IP20
Ambient condition	Operating temperature	32°F ~ 122°F (0°C ~ 50°C); output will be derated above 122°F (50°C)
	Storage temperature	32 ~ 122°F (0 ~ 50°C), no derating
	Relative humidity	5% RH ~ 95% RH, non-condensing
	Altitude, ft. (m)	Sea level to 10,000 ft. (3,000 m) without derating
Dimensions, w x d x h, in.	ITA2-05KRT208C7UN (VRLA Bundle)	7U - (16.9 x 25.8 x 11.7)
		Below this line are alternative components
	UPS - ITA2-05kRT208C	3U - (16.9 x 25.8 x 5.1)
	VRLA battery kit - ITA2-BCI0020K02 (2U modules)	4U - (2) (16.9 x 29.6 x 3.3 ea)
	Lithium battery kit - ITA2-BCI0020KL1 (1U modules)	2U - (2) (16.9 x 29.1 x 1.67 ea)
	Lithium battery kit - ITA2-BCI0020KL2 (2U modules)	4U - (2) (16.9 x 29.7 x 3.3 ea)
Weight, lb.	ITA2-05KRT208C7UN	Net: 280.7 Shipping: 376.9
	UPS	Net: 50.7 Shipping: 70.5
	VRLA battery solution	Net: 230 Shipping: 306.4

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