

Vertiv™ Liebert® 5KVA ITA2 UPS

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



Overview

The Liebert® 5kVA ITA2 is an online UPS designed to power three-phase (in/out), 208V 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 the usable power
- Operates efficiently to save energy
- Optional maintenance bypass maintains power, even during servicing (Hardwire application)
- Extended battery run times available
- VRLA/Lithium-Ion External Battery Options

Designed For Powering L21-20 applications

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

The Small Three-Phase UPS Solution offered with both VRLA and Lithium-Ion Batteries

For three-phase critical systems, consider the Liebert® ITA2 UPS. It stabilizes power to protect 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

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 ensures readable and ease of use
- Configuration easily extends to batteries and the maintenance bypass cabinet

Shown here is the UPS and battery cabinets in a tower management



Options available for ITA2 UPS

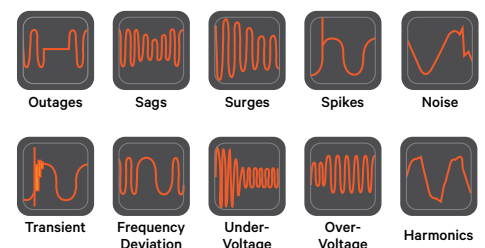
Flexible, Reliable and Functional

The 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

- Minimize footprint impact over traditional room based UPS with rack mount form factor
- Reduce operating costs with highest efficiency ratings
- Minimize downtime costs with high reliability and wrap around bypass options
- 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 ensure 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 ensures a graceful shutdown routine, so no damage occurs to the data or systems.

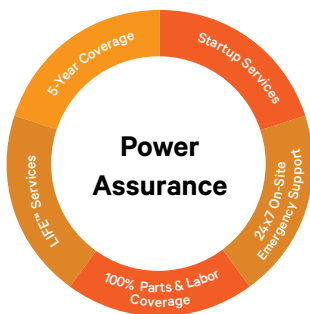


Additional Service and Support Options

We get you started and keep you going. Only Vertiv™ Services can provide the degree of support required to ensure the availability needed for critical systems. Several programs are available to meet the needs of your operation.

Extended run time battery cabinet: ITA2-BCI0020K02

Each cabinet system will add (Full Load) runtime of 14 minutes per system added



Vertiv™ Liebert®
Power Assurance Package

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



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








Vertiv™ LIFE™ Services

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**

Included 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)
- I2600 - Standard - IEC C13 (24), IEC C19 (6)
- I1335 - Standard - NEMA 5-20R (24), L6-20R (6)
- I1151VH - Standard - IEC C13 (24), IEC C19 (6)
- I11092 - Standard - NEMA 5-20R (24)

Liebert® ITA2 UPS- Services

Power Assurance Package

Bundled Start-up Service AND 5-Year On-site Emergency Response	Standard	With LIFE™ Services	With Removal	With LIFE™ and Removal
Equipment Model / Type	Part Number	Part Number	Part Number	Part Number
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 (7x24)	Standard	With Removal
Equipment Model / Type	Part Number	Part Number
Liebert® ITA2 5-40 KVA	SUITA-5-40U7	N/A
External Battery Cabinets-VRLA (192V)	SUITA-EXTBTCBU7	N/A
External Battery Cabinets-Lithium Ion (192V)	SUITA-EXTBTCBU7	N/A
Liebert® ITA2 5-40 KVA Maintenance Bypass Cabinet (MBC)	SUITA2-5-40UM	N/A

Startup Service Only Mon-Fri (8x5)	Standard	With Removal
Equipment Model / Type	Part Number	Part Number
Liebert® ITA2 5-40 KVA	SUITA-5-40MF85	N/A
External Battery Cabinets-VRLA (192V)	SUITA-EBC-MF85	N/A
External Battery Cabinets-Lithium Ion (192V)	SUITA-EBC-MF85	N/A
Liebert® ITA2 8-10 KVA Maintenance Bypass Cabinet (MBC)	SUITA-MBC-MF85	N/A

Power Emergency Services

5-Year On-site Emergency Coverage - Only	Standard	With LIFE™ Services
Equipment Model / Type	Part Number	Part Number
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

Liebert® ITA2 Extended Warranty (5-40kVA)

	Additional 1 Year	Additional 3 Years
Equipment Model/Type	Warranty Part Number	Warranty Part Number
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
Liebert® ITA2 5-40 KVA Maintenance Bypass Cabinet (MBC)	1WEITA2-MBC	3WEITA2-MBC

Liebert® ITA2 UPS Specifications

ITEM		ITA2 5kVA UPS	
Part Number		ITA2-05KRT208C7UN	
Input 3 Phase	Rated Voltage	208 VAC, 3 Phase, 4W+Gnd	
	Voltage Range	96VAC ~ 144VAC	
	Rated Frequency / Range	60Hz (40Hz~70Hz)	
	Power Factor	≥0.99, at full load; ≥0.98, at half load	
	Input Power Connection	L21-20P (6-foot molded cable)	
	Rated Power	5kW	
	Power Factor	1	
Output 3 Phase	Voltage	208/120VAC (3 Phase, 4W + Gnd)	
	Frequency Synchronization Range	Rated frequency ± 3Hz. Configurable range: ±0.5 Hz~±5Hz	
	Frequency Track Rate	0.5Hz/s. Configurable range: 0.2/0.5/1Hz/s (single UPS), 0.2Hz/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%, 200ms	
	AC-AC Efficiency	Up to 93%	
	Output Power Connection	L21-20R (6-foot molded cable)	
	Battery	Type	Sealed, Lead-Acid, Maintenance-Free, VRLA or Lithium
		Runtime (Full Load / Half Load)	14 / 26 min
Rated Voltage		384VDC	
Maximum Charge Current, A		<3.5A	
Utility to Battery		1.8ms	
Transfer Time	Inverter to Bypass	Synchronous Transfer: ≤0ms Asynchronous Transfer (default): ≤20ms or 40ms, 60ms, 80ms, 100ms and 200ms are available	
Noise		<55dB	
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	32~122° F (0~50 °C) (0.7 will be derated above 122° F [50°])	
	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. (3000m) without derating	
Dimensions, W x D x H, in.	ITA2-05KRT208C7UN	7U - (16.9 x 25.8 x 11.7)	
	UPS - ITA2-05kRT208C	3U - (16.9 x 25.8 x 5.1)	
	VRLA Battery Solution - ITA2-BCI0020K02	4U - (16.9 x 29.6 x 6.6)	
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	

** All information contained within the ITA2 5kVA UPS Product Brochure is preliminary specification and subject to change

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