

# 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
- TAA Compliant

### 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

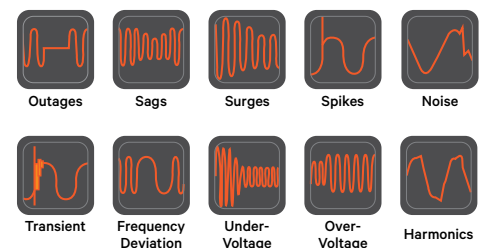
### Flexible, Reliable and Functional

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



# Vertiv™ Liebert® 5kVA ITA2 UPS

## 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.

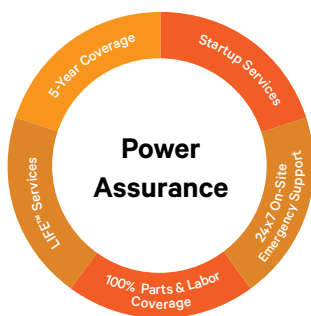


## Additional Service and Support Options

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](http://www.Vertiv.com) | **Monitoring:** [Liebert.Monitoring@Vertiv.com](mailto: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

ITA2-05KRT2087UCNTAA • ITA2-05KRT208CTAA  
Contains • ITA2-BCI0020K02TAA

| ITEM                       |                                         | ITA2 5kVA UPS                                                                                                             |
|----------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Part Number                |                                         | ITA2-05KRT2087UCNTAA                                                                                                      |
| 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)                                                                                             |
| Output 3 Phase             | Rated Power                             | 5kW                                                                                                                       |
|                            | Power Factor                            | 1                                                                                                                         |
|                            | 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                                                                                                                     |
| Transfer Time              | Utility to Battery                      | 1.8ms                                                                                                                     |
|                            | 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 °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. (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<br>Shipping: 376.9                                                                                             |
|                            | UPS                                     | Net: 50.7<br>Shipping: 70.5                                                                                               |
|                            | VRLA Battery Solution                   | Net: 230<br>Shipping: 306.4                                                                                               |

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

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