

Vertiv™ Liebert® ITA2 15/20kVA 208V and 30-40kVA 400V



True Online Double Conversion Parallelable UPS for Rack/Tower Installation

Highlights

The Vertiv™ Liebert® ITA2 is an online UPS designed to power three-phase (in/out), 208/220V and 400V IT systems simply, reliably, and economically.

Key Benefits

- Delivers 15/20kVA, 208V and 30/40kVA in 400V capacity
- Capability of pairing either with Lithium Ion or VRLA external batteries
- Scalable battery runtimes available
- Flexible placement. Use inside a rack or in a tower configuration
- Compact, high-power density solution
- **Parallelable** for maximum flexibility. Expand capacity up to **40kVA in 208V** and up to **80kVA** load capacity in **400V**
- Built-in redundancy capability
- Easy to install and manage
- High power factor maximizes the usable power
- Optimized maintenance bypass maintains power, even during servicing (optional)



Dust Resistant



High Temp Proof



Power Assurance Package



Shipment Certified



High Durability



LIFE SERVICES



High Altitude Certified



RoHS Certified



Power Emergency Package



Energy Star Certified

The Liebert® ITA2 UPS stands out for its outstanding efficiency and flexibility. With its true online double conversion technology, unity power factor, and a remarkably compact rack-tower design along with its capability of paralleling/redundancy, the Liebert ITA2 is the ideal choice for safeguarding your computer rooms, storage, and network equipment.

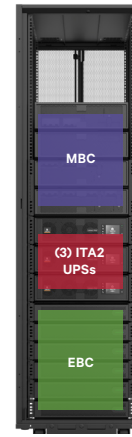
Remarkable Efficiency, Reliability and Flexibility characterize the Liebert® ITA2 UPS



Single UPS Configuration.
(Optional Maintenance Bypass is available.)



Two UPS Configuration.
(9U Maintenance Bypass cabinet requires to be used in this configuration for Vertiv™ Liebert® ITA2 to achieve paralleling for capacity(1+1) or redundancy(2+0)



Three UPS Configuration.
(12U Maintenance Bypass cabinet requires to be used in this configuration for Vertiv™ Liebert® ITA2 to achieve paralleling for capacity and redundancy(2+1)

MBC facilitating (2+1) paralleling and redundancy



Vertiv™ Liebert® ITA2 UPS in a Tower configuration



High Performance and Availability

High Efficiency: Liebert ITA2 offers best-in-class efficiency of up to 93.4% in double conversion mode and up to 99% in ECO mode over a wide range of load conditions, resulting in significant cost savings.



Battery Flexibility

Hot swappable External Batteries: Increase product life and reliability with the flexibility to choose from either VRLA or Lithium-Ion batteries that can be paired with Vertiv™ Liebert® ITA2 UPS for 208V units. 400V ITA2 UPS can be paired only with VRLA batteries.



High Reliability and Flexibility

Compact Footprint: High power density allows the rack to have a smaller footprint. When rack-mounted, it enables the installation up to 40kVA in just 3U of rack space, resulting in remarkable space savings.

Redundancy: Supports 1+1 redundant mode up to 2 units for increased system reliability.

Paralleling Capability: Supports up to 2 units in parallel (2+0) for maximum load capacity and flexibility facilitated through the dedicated use of a maintenance bypass cabinet.



Flexible Monitoring & Management Options

Monitoring adds flexibility to each installation. UNITY and RELAY card compatibility: SNMP, Modbus, environmental sensors. Compatible with Power Insight and Vertiv™ Environet™ Alert.

Vertiv™ Liebert® ITA2 UPS Specifications

ITEM	15 kVA 208V	20kVA 208V	40kVA 400V
Part Number			
Input 3 Phase	Rated Voltage	208/220VAC, 3-Phase, 4W+Gnd	
	Voltage Range, VAC	96-156V with full load	
		70-96V linear decrease	
		70V with half load	
	Rated Frequency	50/60Hz	
Frequency Range	40Hz-70Hz		
Power Factor	≥0.99, at full load; ≥0.98, at half load		
Rated Power	15 kVA/15kW	20kVA/20kW	40kVA/40kW
Voltage	208/120VAC or 220/127VAC (3 Phase, 4W + Gnd)		230VAC, 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)		
Rated Power Factor	1		
Crest Factor	3:3		
Voltage Harmonic Distortion	< 2% (linear load); < 5% (non-linear load)		
Dynamic Response Recovery Time	40ms		
Overload Capacity	At 25°C: 105% ~ 125%, 10min; 125% ~ 150%, 1min; 150%-200%,5s; >200%, 200ms		
Bypass Voltage	Upper Limit: +10%, +15%, +20%; Default +10% Lower Limit: -10%, -20%, -30%, -40%; Default -10%		Upper Limit: +10%, +15%, +20%; Default +20% Lower Limit: -10%, -20%, -30%, -40%; Default -40%
AC-AC Efficiency	Up to 93%		Up to 96.5%
Battery	Type	Sealed, Lead-Acid, Maintenance-Free & LFP Lithium Ion	
	Cell No.	24, 32; Default 32	24, 26, 28, 30, 32, 34, 36, 38, 40; Default 32
	Rated Voltage	384VDC	
	Maximum Charge Current, A	13	
Utility to Battery	0		
Transfer Time	Inverter to Bypass	Synchronous Transfer: ≤20ms Asynchronous Transfer: ≤20ms (40ms, 60ms, 80ms, 100ms and 120ms are available)	
Noise	<63		
Panel Display Mode	Color LCD		
Safety	UL/CSA		
EMC	UL&cUL (UL 1778 5th Edition, CSA No.22.2 107.3)		
Surge Protection	Conducted & Radiated Emissions FCC Part 15, Class A		
Protection Level	ANSI C62.41 Category A		
Ambient Condition	Operating Temperature	IP20	
	Storage Temperature	32 ~ 122°F (0 ~ 50°C), automatic derating to 80% above 104°F (40°C)	
	Relative Humidity	No Battery: -40 ~ 158°F (-40 ~ +70°C); With Battery: -13 ~ 131°F (-25 ~ +55°C)	
	Altitude, ft. (m)	5% RH ~ 95% RH, non-condensing Sea Level to 10,000 ft. (3000m) without derating	
	UPS	16.9 x 25.8 x 5.1 (430 x 656 x 130)	
Dimensions, W x D x H, in. (mm)	VRLA Battery Cabinet ITA2-BCI0020K02 (Quantity of 2)	16.9 x 29.6 x 3.3 (430 x 751 x 85) per cabinet	
	2U Li-Ion Battery Cabinet ITA2-BCI0020KL2 (Quantity of 2)	Net: 16.9 x 26.77 x 3.35 (430x680x85) per cabinet	
	Single MBC	16.9 x 28.7 x 6.8 (430 x 730 x 173)	
	2+0 Parallel MBC	16.9 x 32.0x 15.5 (430 x 814 x 393)	
	2+1 Parallel MBC	16.9 x 32.0x 20.6 (430 x 814 x 523)	
Weight, lb. (kg)	UPS	Net: 66.1 (30) Shipping: 88.2 (42)	
	VRLA Battery Cabinet	Net: 115 (52.2) each Shipping: 306.4 (139)	
	2U Li-Ion Battery Cabinet	Net: 70.5 (32) Shipping: 229.3 (104)	
	Single MBC	Net: 52.2 (23.7) Shipping: 79.4 (36)	
	2+0 Parallel MBC	Net: 91.9 (41.7) Shipping: 136.7(62)	
	2+1 Parallel MBC	Net: 116.8 (53.0) Shipping: 175.1 (79.0)	