



Liebert®

ITA2™ UPS

5-40kVA

Compact, efficient & robust
UPS for critical applications



Liebert® ITA2™ 5 to 40 kVA

In today's dynamic world, having basic power protection is not enough for enterprises. Business continuity is even more vital with digital trends constantly emerging and transforming the way you do business. In your critical system, you simply cannot afford downtime or waste time recovering these systems after a disruption. What you need is a robust, high-speed, reliable UPS system which offers perennial, round-the-clock protection for diverse applications.

Our Solution

The Liebert® ITA2™ is a fully-digital, highly reliable, double-conversion UPS solution that provides clean and consistent power. This highly efficient solution is ideal for various deployments, including IT racks, network closets, automation control systems, and precision instruments to small sized control rooms among other edge applications.

- Cutting-edge design enables seamless integration into various ecosystems
- Tailored for global deployment in a low carbon, compact footprint

The ultimate level of engineering and dynamics that have gone beyond the development of this innovative, next-generation product facilitate top-notch availability and excellent performance at low ownership costs, giving you ultimate peace of mind.



5-10kVA



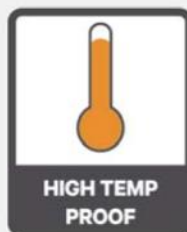
16-30kVA

Application Areas

- Edge Networks
- Data Centers
- Automation industries
- Server Farms
- Workstations
- Telecom

Liebert® ITA2™

Robust power protection solution in a compact package

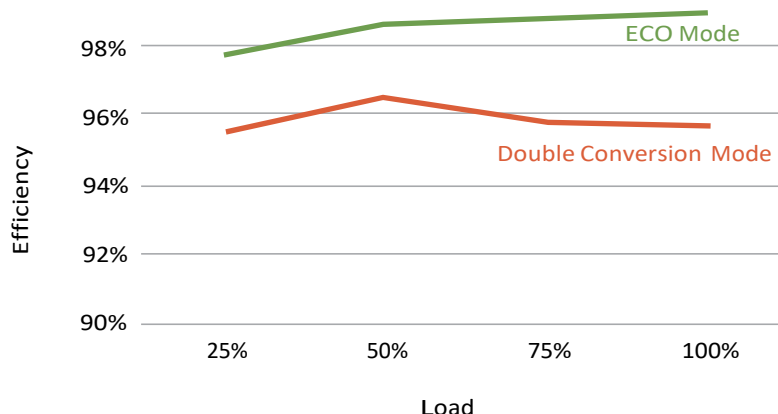


Key Features

- Robust structure with cutting edge channelized airflow design
- Wide input voltage range, making it immune to grid interference
- Rack-tower design for installation flexibility
- Able to deliver both three-phase and single-phase output²
- 0.99 input power factor for better grid or generator compatibility
- Powerful charging capability for minimum battery recharging time
- Programmable output outlets/terminals with cascade protection to protect key devices during heavy load²
- Integrated Ethernet port with HTTP protocol compatibility and streamlined remote monitoring
- Easy to install, repair, and maintain
- Compliance with seismic conduction and vehicle carrying test
- Gravity sense LCD display
- Turnkey dust-resistant design with ability to operate under high ambient temperature of up to 50°C

The Most Efficient UPS

Liebert® ITA2™ offers best-in-class efficiency of up to 96.5% in double conversion mode over a wide range of load conditions, resulting in significant OPEX cost savings. Liebert ITA2's ECO mode of operation provides a superlative efficiency of up to 99%.



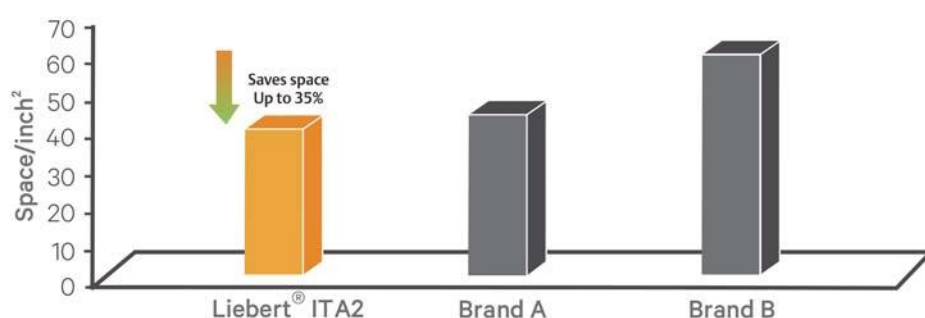
The Most Flexible UPS



**Shown here the UPS and battery cabinets in a rack & tower arrangement.*

- Optimized modules minimizes the amount of used space in the rack
- Support base makes it convenient and stable to place on a floor
- Adjustable display panel ensures readability and ease of use
- Configuration easily extends to batteries and POD cabinet

The Most Compact UPS



Liebert® ITA2™ 5 to 40 kVA



Available in different wattage variations, Liebert® ITA2™ is ideal in the edge of networks, light industrial applications and data centers, easily blending into any virtualized environment and providing comprehensive power protection at reduced operating costs.

Reliability in a compact footprint

- Fully-digital control with high output voltage precision
- Manages all the nine power problems including sagging, spikes, and fluctuations
- Built-in Ethernet port includes browser support compatibility with intelligent cards (SIC card, UNITY-DP, RDU_SIC cards, etc.)
- Built-in-power charger for fast charging reduces the battery charging time
- Prolonged backup time through cascaded connection
- Quality-tested for 1000 hours for extreme durability and tolerance even in stringent conditions

High Availability

Early Warning of UPS System Status

Multiple audible and visual alarms instantly alert for critical issues.

Periodic Battery Testing

Provides automatic and manual self-diagnostic battery testing for peace of mind.

Power-Factor Correction

Prevents noise, harmonics, and distortion from being transferred to connected loads or fed back to the utility.

Lightning and Surge Protection

The transient voltage surge suppression circuitry inside the Liebert® ITA2™ provides additional protection for the connected equipment.

Wide Input Voltage Window

Prolongs battery life by allowing the UPS to maximize the use of utility power before being transferred to the battery when the input voltage exceeds the specified limits.

Technical Specifications

Nominal Ratings (kVA)	5	6	10	16	20	30	40
Standard/Long Backup Model	ITA-05k00AL1102P00/ ITA-05k00AE1102P00	ITA-06k00AL1102P00/ ITA-06k00AE1102P00	ITA-10k00ALA102P00/ ITA-10k00AEA102P00	ITA-16k00AL3A02P00/ ITA-16k00AE3A02P00	ITA-20k00AL3A02P00/ ITA-20k00AE3A02P00	ITA-30k00AL3302P00	UHA3R-0400

Input Parameters

Nominal Input Voltage (V)	220/230/240VAC 1-Phase, 2 Wire	220/230/240VAC 1-Phase, 2 Wire 380/400/415VAC 3-Phase, 4 Wire	380/400/415VAC 3-Phase, 4 Wire
Input Voltage Range (V)	176-288VAC at full load; 100-176VAC at linear derating; 100VAC at half load		305-477 VAC
Nominal Input Frequency (Hz)	50/60		
Input Frequency Range (Hz)	40-70		
Input Power Factor (kW/kVA)*	0.99		
Current THD at full linear load (THDi%)*	<3		<4

Battery

Battery Blocks Per String	12*, 16, 20	24*, 32, 34, 36, 38, 40	32, 34, 36, 38, 40	30*, 32, 34, 36, 38, 40
Battery Charger Max. Power (A)	= 5A (Long backup model) = 2A (Standard model)	= 8A (Long backup model) = 4A (Standard model)	= 13A (Long backup model) = 5A (Standard model)	= 13A 6 kW
Battery Option	P/C : ITA-BCI0020K01 (built-in battery module of 16 block X 12V X 9AH) Battery cabinet Dimensions in rack arrangement - 430(W) x 739(D) x 85(H)			Only external battery cabinet

Output

Nominal Output Voltage (V)	220/230/240 (1-phase)	220/230/240VAC (1-Phase), 380/400/415VAC (3-Phase)	380/400/415VAC (3-Phase)
Nominal Output Frequency (Hz)	50/60		
Rated Power Factor (kW/kVA)	Unity		
Voltage Harmonic Distortion (%)	<2% for Linear loads & <5% for Non-linear loads		
Overload Capacity	At 25°C: 105% ~ 125%, 5min; 125% ~ 150%, 1min; 150%, 200ms		
Crest Factor	3:1		

Efficiency

Online Mode Efficiency	Up to 95.5%	Up to 95.8%	Up to 96.2%	Up to 96.5%	Up to 95%
ECO Mode Efficiency	Up to 99%				Up to 98.5%

Dimensions and Weight

Dimensions (W x D x H) in mm Rack Mounted Arrangement	430x450x85	430x560x85	430x570x130		435x800x173
Weight (kg)	11	15	23	23.5	72

General

Nosie at 1 m (dBA)	=55	=58	<60	<58
Operating Temperature (°C)	0 ~ 50*			0 ~ 40
Relative Humidity (%RH)	5 ~ 95, non-condensing			
Altitude (m)	=3000m			≤1000m

General and safety requirements for UPS

IEC/EN 62040-1

EMC requirements for UPS

IEC/EN 62040-2

UPS classification according to IEC 62040-3

VFI-SS-111

Note: Specification are subject to change without any further notification

*Conditions apply (1) with ABS certification (2) Not Available in 30kVA

