

# Liebert® ITA2 10 - 30 kVA



Flexible power protection for Rack or Tower installation

## HIGHLIGHTS

**The Liebert ITA2 series is ideally suited for:**

- Small computer rooms
- Integrated solutions
- Branch offices
- Servers
- Network computers and peripherals
- Storage device
- VoIP.

**Product Features:**

- **Rack-tower design** for installation flexibility
- Able to deliver both three-phase and single-phase output (10-20 kVA)
- Ultra **high power density**, thanks to 30% reduced dimensions compared to the previous generation
- 0.99 input power factor for **better grid or generator compatibility**
- Unity output power factor for **additional power availability**
- Efficiency in double conversion **up to 96.2%**
- ECO mode operation with efficiency up to 99% and **remarkable energy-saving performance**
- Powerful charging capability for **minimum battery recharging time**.

**The UPS is compatible with any Building Management System (BMS) by offering the following communication features:**

- Voltage-free contact ports
- USB interface
- Vertiv™ IntelliSlot™ for SNMP, Modbus or Relay communication
- Programmable output terminals (10-20 kVA).

## Remarkable Efficiency and Flexibility characterize the Liebert® ITA2 UPS

*Featuring true online double conversion technology, unity power factor and an extremely compact rack-tower design, Liebert ITA2 is the perfect power protection solution for your computer rooms, storage and network equipment.*

### Description

With a unity output power factor, Liebert ITA2 **perfectly matches the needs of modern IT loads**, and with its wide input voltage and frequency range it effectively reduces the need for battery intervention, thus **prolonging battery life**.

It is also endowed with intelligent fans with automatic speed control, which effectively **save energy and reduce noise**.

Liebert ITA2 supports common battery configurations between paralleled UPS and the number of batteries per string, which can be arranged flexibly, facilitating the utilization of different battery systems and **saving on battery investment**.

An extra powerful battery charger across all models capable of recharging high capacity battery strings ensures a **fast charge-restoration** even after a prolonged power outages.

Liebert ITA2 offers **enhanced flexibility** with a wide range of accessories for both stand-alone and rack-mount installations. When rack mounted, it allows to install up to 30 kVA UPS in just 3 U of space, achieving a remarkable space saving. Paralleability and maintenance are facilitated through the use of **dedicated maintenance bypass option** while extended backup time can be provided with **matching battery modules** (10-20 kVA) for a neat rack-mounted installation.

Liebert ITA2 features a multi-lingual LCD user interface allowing close control and monitoring of system status and performance.



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## Technical Specifications

Ratings (kVA)	10	15	20	30
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## Input

Nominal input voltage (V)	380/400/415 (three-phase + neutral)			
Input voltage range without battery discharge (V)	173 to 498*			
Nominal input frequency (Hz)	50/60			
Input frequency range (Hz)	40-70			
Bypass voltage tolerance (%)	selectable from +20 to -40			
Bypass frequency tolerance (%)	±20 (±10 selectable)			
Input power factor at full load (kW/kVA)	0.99			
Current THD at full linear load (THDl%)	≤3*			

## Battery Management

Battery blocks per string	24-40*		32-40	
Voltage temperature compensation (mV/°C/Cell)	-3			
Battery charger max. current (A)	13			

## Output

Nominal output voltage (V)	380/400/415 (three-phase) or 220/230/240 (single-phase)			380/400/415 (three-phase)
Nominal output frequency (Hz)	50/60			
Maximum active power (kW)	10	15	20	30
THDv at full linear load (%)	≤2			
Inverter overload capacity at 25°C	105% for 60 min; 125% 5 min; 150% for 1 min, > 150%, 200 ms			105% for 60 min; 125% 10 min; 150% for 1 min, > 150%, 200 ms

## Efficiency

Double conversion efficiency	Up to 96.2%			
ECO Mode Efficiency	Up to 99%			

## Dimensions and Weight

Dimensions (W x D x H) (mm)	430 x 500 x 130 (UPS) 430 x 500 x 130 (Battery module 3U, 16 x 9 Ah) 430 x 650 x 85 (Battery module 2U, 16 x 9 Ah) 430 x 500 x 175 (single POD) 430 x 500 x 260 (1+1 parallel POD)		430 x 500 x 130 (UPS) 430 x 500 x 175 (single POD) 430 x 500 x 260 (1+1 parallel POD)	
Net Weight (kg)	23 (UPS) 51 (Battery module 3U, 16 x 9 Ah) 51 (Battery module 2U, 16 x 9 Ah) 18 (single POD) 30 (1+1 parallel POD)		23 (UPS) 18 (single POD) 30 (1+1 parallel POD)	

## General

Noise at 1 m (dBA)	≤58	<60
Ventilation	Front to back	
Maximum altitude	1500 m without derating (max. 3000 m)	
Protection level IEC (60529)	IP20	
General and safety requirements for UPS	EN/IEC/AS 62040-1	
EMC requirements for UPS	EN/IEC/AS 62040-2	
UPS classification according to CEI EN 62040-3	VFI-SS-111	

\* Conditions apply

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