

LIEBERT® ITA2 10 - 20 kVA

Flexible Power Protection for Rack or Tower Installation



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.

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 20 kVA in just 3 U of space, achieving a remarkable space saving. Parallelability and maintenance are facilitated through the use of dedicated maintenance bypass option while extended backup time can be provided with matching battery modules 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.

The Liebert ITA2 series is ideally suited for:

- Small computer rooms
- Long backup time applications
- 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
- 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



Liebert ITA2 10 - 20 kVA

Liebert® ITA2 10 - 20 kVA Specifications

TECHNICAL SPECIFICATIONS

Ratings (kVA)	10	15	20
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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 (THDI%)	≤3*

BATTERY MANAGEMENT

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

OUTPUT

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

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 (3U)
Net Weight (kg)	23

GENERAL

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

* Conditions apply