LIEBERT® ITA 10 - 40 kVA

Flexible Power Protection for Rack or Tower Installation

Remarkable Efficiency and Flexibility Characterize the Liebert® ITA UPS Family

Featuring true on-line double conversion technology, the Liebert ITA UPS series from Vertiv provides a highly efficient and reliable power protection solution for your computer rooms, storage and network equipment.

With a 0.9 output power factor, **Liebert ITA** 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 adaptation, which effectively save energy and reduce noise.

Liebert ITA 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 ITA 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 40 kVA in just 4 U of space, achieving a remarkable space saving. Parallelability and maintenance are facilitated through the use of dedicated bypass and power distribution options while extended backup time can be provided with matching battery modules for a neat rack-mounted installation.

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

The Liebert ITA series is ideally suited for:

- Small computer rooms
- Long backup time (>30 minutes) 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 (10-20 kVA)
- Ultra high power density
- 0.99 input power factor for better grid or generator compatibility
- 0.9 output power factor for additional power availability
- Efficiency in double conversion exceeding 95%
- ECO mode operation with efficiency up to 98% and remarkable energy-saving performance
- Powerful charging capability with consequent reduction of the 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
- Optocoupler based interfaces
- Vertiv™ IntelliSlot™ for SNMP, Modbus or Relay communication.

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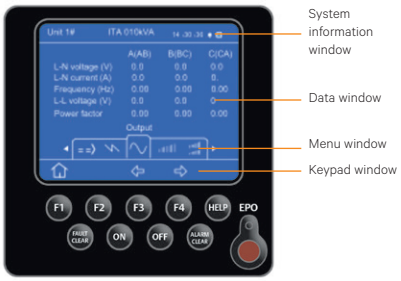

Liebert® ITA 10 - 40 kVA Specifications

TECHNICAL SPECIFICATIONS					
Nominal Ratings (kVA)	10	15	20	30	40
INPUT					
Nominal input voltage (V)	380/400/415				
Input voltage range without battery discharge (V)	229~478				
Nominal input frequency (Hz)	50/60				
Input frequency range (Hz)	40-70				
Bypass voltage tolerance (%)	Upper limit: +10%, +15%, or +20% default: +15% Lower limit: -10%, -20%, -30% or -40% default: -20%				
Bypass frequency tolerance (%)	+/- 10% or +/- 20% default: +/- 20%				
Input power factor (kW/kVA)	0.98	0.99	0.99	0.99	0.99
Current THD at full linear load, 3 ph. output (THDI%)	<4%				
BATTERY MANAGEMENT					
Number battery cells per string (max - min)	30-40			32-40	
Battery Modules	32*12 V*7 Ah or 32*12 V*9 Ah				
Voltage temperature compensation (mV/°C/Cell)	0-5mV°C/Cell; 3mV°C/Cell				
Battery charger max. power (A)	11			14	
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				
Nominal active power (kW)	9	13.5	18	27	36
THDv with 100% linear load (%)	≤1				
Inverter overload capacity	105% for 60 min; 125% 5min; 150% for 1 min, > 150%, 200ms				
EFFICIENCY					
Double conversion efficiency 100%	94.4%	94.5%	94.2%	95.1%	94.9%
Double conversion efficiency 75%	94.0%	94.4%	94.5%	94.8%	95.1%
Double conversion efficiency 50%	93.5%	94.0%	94.4%	94.3%	94.7%
Double conversion efficiency 25%	90.5%	92.9%	93.5%	93.0%	93.4%
Eco Mode Efficiency	98.0%	98.0%	97.8%	98.5%	98.5%
DIMENSIONS AND WEIGHT					
Dimensions (W x D x H) (mm)	435 x 750 x 133 (3U)			435 x 770 x 178 (4U)	
Weight (kg)	35			50	
GENERAL					
Noise at 1 m (dBA)	≤56	≤56	≤58	≤56	≤58
Ventilation	front to back				
Protection level IEC (60529)	IP20				
UPS classification according to CEI EN 6240-3	VFI-SS-111				

Tech Support
Always On! Our Commitment to your daily Business,
provided by multi language Tech Support.

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