

Vertiv™ Liebert® MTP 10-200 kVA

Reliable and Compact Monolithic Tower UPS



Key Features

Vertiv™ Liebert® MTP series is ideally suited for:

- Commercial buildings
- Logistics
- Facilities
- Retail and E-Commerce
- Education institutions
- Financial institutions

Main advantages:

- Compact footprint with internal runtime configuration (applicable for up to 40 kVA). No need to install external batteries
- Unity output power factor for additional power availability
- Up to 95.5% efficiency in Double Conversion Mode
- Up to 98.5% efficiency in Eco Mode
- Powerful charging capability in minimum battery recharging time
- Wide input voltage range, reducing battery operation and extending battery lifetime
- 0.99 input power factor avoid the over sizing of the supply system
- Integrated switch assembly
- High overload capability
- Scalable up to 4 units with common battery bank
- Integrated communication port for remote monitoring
- 7-inch touch screen LCD display⁽¹⁾
- Voice warning⁽²⁾/alarm code notification

Most Reliable, Super Compact, and Efficient UPS characterise the Vertiv™ Liebert® MTP UPS

Introducing Vertiv Liebert MTP UPS, the ultimate power protection solution with its cutting-edge features and high performance, the Vertiv Liebert MTP UPS is the answer to all your critical power needs. With high efficiency and a compact footprint, the Vertiv Liebert MTP UPS optimizes valuable space while reducing energy costs. With exceptional reliability, this UPS guarantees uninterrupted power to safeguard your critical equipment, preventing costly downtime and data loss. Trust in the power of Vertiv Liebert MTP UPS to elevate your business to new heights of efficiency, productivity, and peace of mind.

Experience power protection like never before!

Description

The new Vertiv™ Liebert® MTP is a monolithic transformer-free UPS, which delivers full active power by providing exceptional power availability to mission-critical applications. The internal Innovative design reduces its footprint to a minimum, providing continuous power protection with optimised internal runtime in a standalone solution, making the Liebert MTP perfect for IT applications. Liebert MTP can achieve a remarkable efficiency level of up to 95.5% in proper online double conversion mode. Liebert MTP can further increase efficiency up to 98.5% by operating in ECO mode.

The Liebert MTP makes your mission-critical space a peaceful place through its enhanced event analysis, voice notifications for alarms, and an intelligent colored multi-language touch screen LCD display. The architecture of Liebert MTP makes it exceptionally easy to install, connect, operate, maintain, and service, making it ideal for a wide range of small and medium business applications. Liebert MTP also comes equipped with casters to facilitate ease of movement and relocation.

Furthermore, Liebert MTP features multiple communication ports including dry contacts, SNMP, and Modbus which enables remote monitoring of the UPS system.



Technical Specifications

Nominal Rating (kVA/kW)		10-15-20	30-40	60	80	100-120	160-200
Input							
Nominal Input Voltage (V)		380/400/415 VAC 3-Phase, 4 Wire					
Input Voltage Range (V)		110 to 300 VAC @ 50% load; 184 to 276 VAC @ 100% load For 60-100-120-160-200kVA: 305 ~ 478; 208 ~ 304 (output derated below 70%)					
Nominal Input Frequency (Hz)		50/60					
Input Frequency Range (Hz)		40-70 For 60-100-120-160-200kVA: 46Hz ~ 54 Hz @ 50Hz system 56Hz ~ 64 Hz @ 60Hz system					
Input Power Factor (kW/kVA)*		0.99					
Current THD at full linear load (THDi%)*		<4					
Battery							
With Internal Batteries	Battery Type	12 V, 9 AH	12 V, 9 AH	Not Available			
	No of Battery Blocks	32		Not Available			
Without Internal Batteries	Battery Type	VRLA					
	Charging Current (Max.)	1 to 12 A (Adjustable)	1 to 18 A (Adjustable)	2 to 32 A (Adjustable)	36 A (Adjustable)	54 A (Adjustable)	
	No of Battery Blocks	32-40					
Output							
Nominal Output Voltage (V)		380/400/415 VAC (3-Phase)					
Nominal Output Frequency (Hz)		50/60					
Maximum Active Power (kW)		10-15-20	30-40	60	80	100-120	160-200
Voltage Harmonic Distortion (%)		<2% for Linear loads <5% for Non-linear loads		<2% for linear loads <4% for non-linear loads	<1% for linear loads <5% for non-linear loads	<2% for linear loads <4% for non-linear loads	
Overload Capacity at 25 °C		100% ~ 110%, 60 min; 111% ~ 125%, 10 min; 126% ~ 150%, 1 min; >150%, 200 ms					
Efficiency							
Double Conversion Mode*		Up to 95.5%					
ECO Mode		Up to 98.5%					
Dimensions and Weight							
With Internal Batteries	Dimensions (D x W x H) in mm	626 x 250 x 826	780 x 300 x 1000	Not Available			
	Weight (kg)	139	250	Not Available			
Without Internal Batteries	Dimensions (D x W x H) in mm	626 x 250 x 826	780 x 300 x 1000	1000 x 320 x 800	790 x 360 x 1010	1000 x 430 x 1200	1000 x 600 x 1200
	Weight (kg)	43	67	89	113	200	265
General							
Noise at 1 m (dBA)*		<62	<70	<75	<75	<75	
Operating Temperature (°C)		0 ~ 40					
Relative Humidity (%RH)		0 to 95, non-condensing					
Altitude (m)		0 to 1000 without derating					
Protection level IEC (60529)		IP20					
General and safety requirements for UPS		IEC/EN 62040-1					
EMC requirements for UPS		IEC/EN 62040-2, Category C3					

* Conditions Apply (1) For 10-40 kVA & 80 kVA, 5-inch touch screen display (2) Applicable for 10-40kVA & 80kVA

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