



Liebert®

LTS™

10A - 32A

Reliable Power Redundancy  
for Business Engines



# Reliable Redundant protection to your mission critical Applications

The Liebert® LTS is a two-pole automatic transfer device with the capacity of 10/16/32 A.

It performs the core functions of detection and transfer in the dual-bus system composed of two ways of AC power, and is used in the high-end uninterruptible power supply applications that require high power supply reliability.

## Redundant Design

To ensure that the equipment can still operate normally upon the failure of one single power.

## Compact Size

Optimized 1U size designed to integrate in same server rack

## Full DSP Control

Ensures strong data processing capacity and improves the system reliability.

## Advanced Power-off Detection

Enables quick judgment of power-off failure.

## Advanced Communication

Realizes the remote management through SNMP card (option)

## Applications

- Computer equipment rooms
- Internet data centers
- Telecom&Financial data centers
- Industrial process control centers

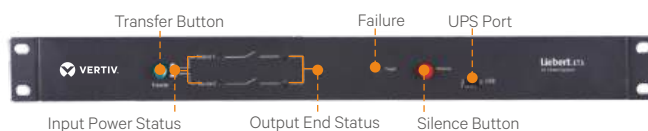
## Redundancy

Currently, only the high-end servers are equipped with dual power. Other types of equipment, including hub, exchange, router, elementary server, and specialized instrument and meter, are single-power products. You can connect the key equipment to two ways of redundant power through Liebert LTS. The main power and the standby power can directly connect to the Liebert LTS on the rack can provide redundancy control on the power. Once the main power fails, it will automatically switch to the standby power.

## Reliability

The Liebert LTS adopts the control technology of “First Disconnect Then Connect”

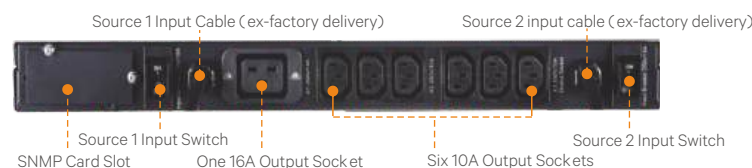
- If one-way power fails, the Liebert LTS can ensure the uninterruptible power supply to the equipment through the redundant power supply
- Once short circuit occurs, the Liebert LTS can ensure that the failure will not extend to the standby power, and thus ensure the uninterruptible power supply to the mission critical equipments



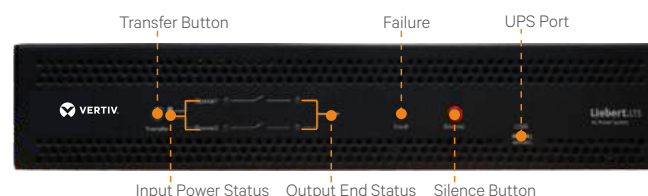
10A And 16A Front Panel Schematic Diagram



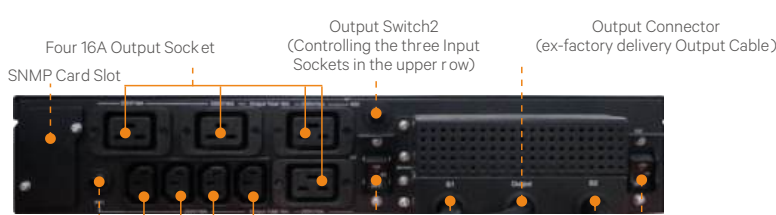
10A Back Panel Schematic Diagram



16A Back Panel Schematic Diagram



32A Front Panel Schematic Diagram



32A Back Panel Schematic Diagram

32A Back Panel Schematic Diagram

## Specifications

Rating	10A	16A	32A
<b>Input</b>			
Input connectors type	C14 x 2	IEC309 x 2 (Model 1) IEC-C20 x 2 (Model 2)	Hard-wired
Input source	Two ways of input sources		
Input mode	1 $\Phi$ +N+PE		
Rated voltage	220/230Vac		
Rated frequency	50/60Hz		
Voltage range	150 ~ 300Vac		
Frequency range	Rated frequency $\pm$ 5Hz		
Voltage distortion	<10%		
<b>Output</b>			
Output connectors type	C13	C13 & C19	C13 & C19
Rating & Quantity	10A x 8	10A x 6, 16A x 1	10A x 4, 16A x 4
Power factor	0.8 ~ 1.0 lead or lag		
Overload capacity	125%, 30min (tested at 30°C)		
Efficiency (100% linear load)	99%		
<b>Transfer</b>			
Numbers of poles	2 poles		
Automatic transfer interval	<6ms (typical), <11ms (maximum)		
<b>Environment Parameters</b>			
Operating temperature	0 ~ 40°C		
Storage temperature	-40 ~ 70°C		
Relative humidity	5 ~ 95%, no condensation		
Elevation	3000m		
Pollution level	Level II		
<b>Mechanical Parameters</b>			
Dimension (H x W x D)	44mm x 440mm x 250mm		85mm x 435mm x 340mm
Weight	4.5kg		5kg

\*Specifications are subject to change without any prior notification



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