

Vertiv™ Liebert® TDU

Transformer Distribution Unit



Features

- 3 wire stepdown transformer with center tap neutral.
 - Input: L1/L2/Ground (208V or 240V).
 - Output: L1/L2/N/G (Split into 2 groups of L/N/G 120V).
- Provides 120V output to loads from a 3 wire UPS.
- Suitable for use with all 208V/240V 3 wire Vertiv™ Liebert® UPS models, such as the Vertiv™ Liebert® GXT5 “HV” Series.
- Voltage selector switch allows easy configuration for nominal 208V or 240V input.
- Provides continuous use divided equally between two outlet groups.
- What's included
 - TDU Unit.
 - Printed quick start guide/ Manual with safety instructions.
 - Rack mounting kit.

The Vertiv™ Liebert® (TDU) Transformer Distribution Unit is a transformer in a rack-tower enclosure with integral distribution and forced air cooling.

- **Agency certification** - The unit is UL and cUL listed to the latest edition of UL Standard 1778 or the appropriate UL standard for single phase distribution transformers (UL 1561).
- **Cooling** - The Vertiv Liebert TDU features forced air cooling, with air intake from the front and exhaust out the rear.
- The unit is also energy efficient with it's AC-AC efficiency of 94%.
- 2U rack-tower form factor.
- The Vertiv Liebert TDU accommodates a range of input voltages, see below table:

Input voltage (VAC)	Output voltage (VAC, 1Ø)	
	208V rotary switch position (Reduces output voltage by ~42%)	240V rotary switch position (Reduces output voltage by 50%)
200	-	100
208	120	-
220	125	110
230	-	115
240	-	120



Vertiv™ Liebert® TDU



Technical specifications

Models	Vertiv™ Liebert® TDU-3500RTL620	Vertiv™ Liebert® TDU-4000RTL630	Vertiv™ Liebert® TDU-6000RTL630
Total rating @ 208 VAC input	3440 VA / 3440 W	4000 VA / 4000 W	5050 VA / 5050 W
Output 1 max	1750 VA / 1750 W	2000 VA / 2000 W	3000 VA / 3000 W
Output 2 max	1750 VA / 1750 W	2000 VA / 2000 W	3000 VA / 3000 W
Input			
Normal input voltage	208 VAC or 240 VAC (200/220/230 VAC acceptable)		
Input connection	L620	L630	L630
Input cord qty/length	1 / 600mm (1.96 ft)		
Input current	20A	30A	30A
Output			
Nominal output voltage	120 VAC (100/110/115/127 VAC)		
Output current	20A	20A	30A
Output connections	(8) NEMA 5-15/20R, (2) L5-20R	(8) NEMA 5-15/20R, (2) L5-20R	(8) NEMA 5-15/20R, (2) L5-30R
Voltage regulation	120 VAC (100/110/115/125 VAC)		
Frequency range	Same as input		
Efficiency	94%		
Mechanical			
Unit dimensions W x D x H (in/mm)	16.9 x 22.6 x 3.4 in / 430 x 574 x 85 mm		
Rack height	2U		
Shipping dimensions W x D x H (in/mm)	23.4 x 10.6 x 29.4 in / 607 W x 270 D x 747 H mm		
Enclosure material	Sheet metal enclosure with plastic bezel		
Environmental			
Operating temperature	32 to 104 degF (0 to 40 degC)		
Storage temperature	5 to 122 degF (-15 to 50 degC)		
Operating elevation	Up to 10,000 feet (3,000m) @ 77 degF (25 degC) without derating		
Storage elevation	50,000 feet (15,000m) maximum		
Operating/Storage humidity	0 to 95% non-condensing		
Audible noise	< 55 dBA maximum measured at 1 m (~3 feet) from all sides		
Agency			
Safety	UL, cUL (cULus) Listed (to UL 1778 or applicable UL Standard for transformer based PDUs)		
RFI/EMI	FCC Class A		
Environmental	REACH / RoHS compliant		
Transportation	ISTA Procedure 1A		

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