



- 2U high
- Up to 22.5 kW in 19" rack
- Hotswap capable
- High Efficiency

## TX Series

3750W to 7500W  
Front End Power Supplies

### Key Market Segments & Applications

Power for Distributed Power Architecture  
Factory Automation

### TX Features and Benefits

#### Features

- 2U high
- Hotswap capable
- High efficiency

#### Benefits

- Utilises less cabinet space
- Suitable for N+1 redundancy
- Higher density

### Specifications

ITEMS	MODEL	TX375024		TX500048	TX7500W48
		24V Nominal		48V Nominal	
Output Voltage Range (1)	VDC	21-28		42-56	
Total Regulation	%	±1%			
Output Current	A(max)	150		100	150
Current limit (1)	A	155		110	155
Short Circuit Current	rms A	50		35	50
Output Noise	mV	250 peak to peak (10kHz to 20MHz)			
Output Rise Time	ms	100 - 400			
Dynamic Response	%	3% in 10ms for a 10-100% load change			
Overvoltage Protection (1)	VDC	27-30		54-60	
Load Sharing	%	±5% of full load			
i <sup>2</sup> C Programming	-	Set output Volt, Monitors AC present, Converter OK, Thermal Profile, Fan fail			
Remote On/Off	V	Shuts down outputs by applying 3.3 to 5V			
Auxiliary Output		12V@200mA			
AC Input	VAC	180-264		180-305	
Input Frequency	Hz	47-63			
Power Factor	-	0.99 typ. @ 230VAC, full load, meets EN61000-3-2			
Inrush Current (2)	A	30 amps peak			
Efficiency (at 230VAC)	%	90		92	92
Immunity	-	EN61000-4-2,-3,-4,-5,-6,-8,-11			
EMC (conducted and radiated)	-	EN55022, Level B, FCC Class B			
Operating Temperature	°C	-40 to 65 (full power)		-40 to 65 <sup>(3)</sup>	
Storage Temperature	°C	-40 to 85			
Humidity	%	5 to 95 (non-condensing)			
Altitude	ft	-200 to 8000			
Shock	G	IEC68-2-27, Mil-STD-810E, 20G			
Vibration	Hz	IEC68-2-64 (random) 20-2000Hz, 30 minutes			
Safety Agency	-	UL60950-1, EN60950-1, CE Mark			
Size (L x W x H)	mm	405 x 132 x 82 (stand alone), 534 x 410 x 89 (THR3 Rack)			
Weight	Kg	Stand alone unit 6.75kg, Rack 5.4kg			
Warranty	-	2 Years			

1 Adjustable via i<sup>2</sup>C

2 Excludes Xcaps in the EMC input filter

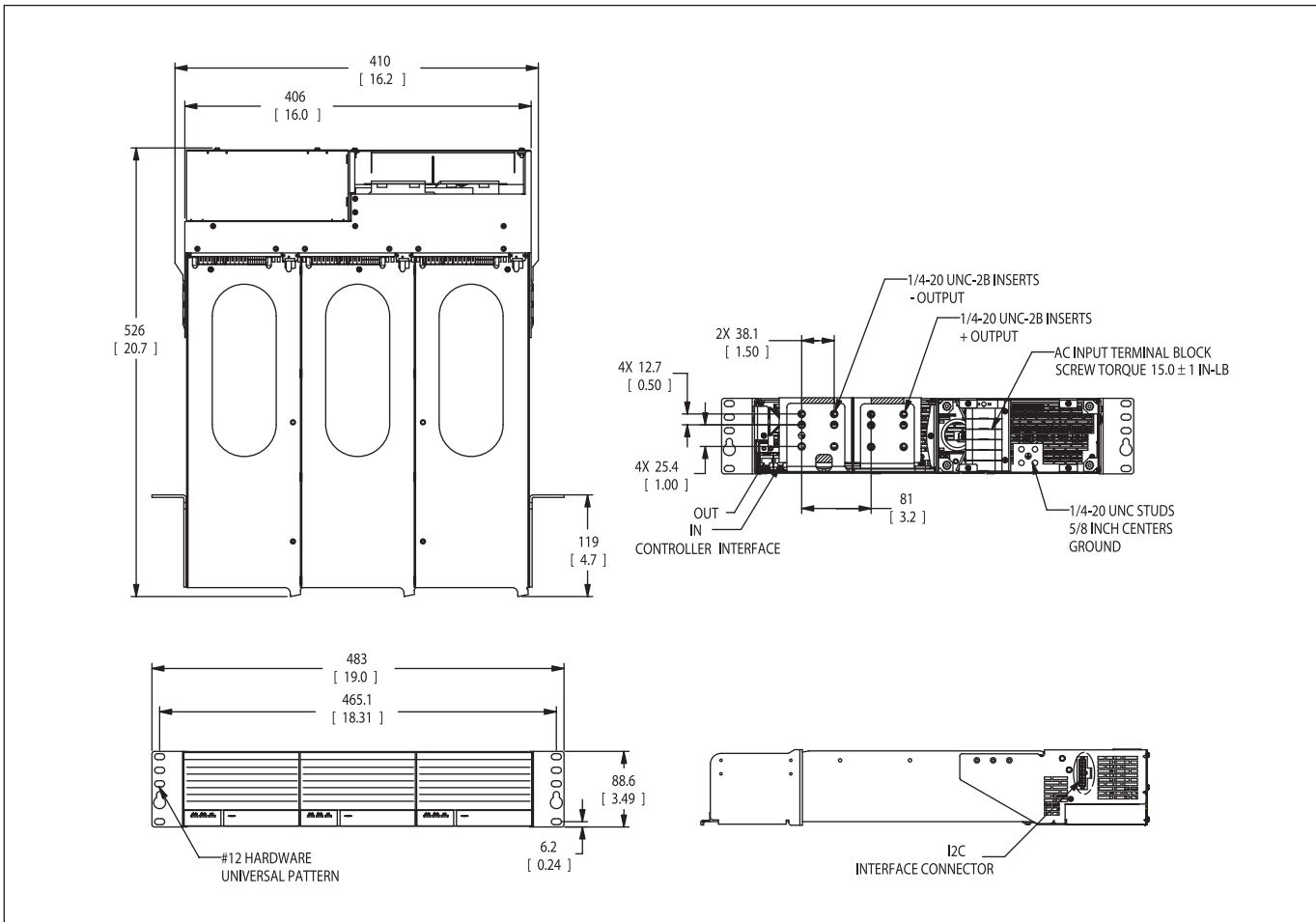
3 TX7500W48 derate 2%/°C above 50°C to 65°C

4 Operates independent of main DC output and is referenced to (-)Vout

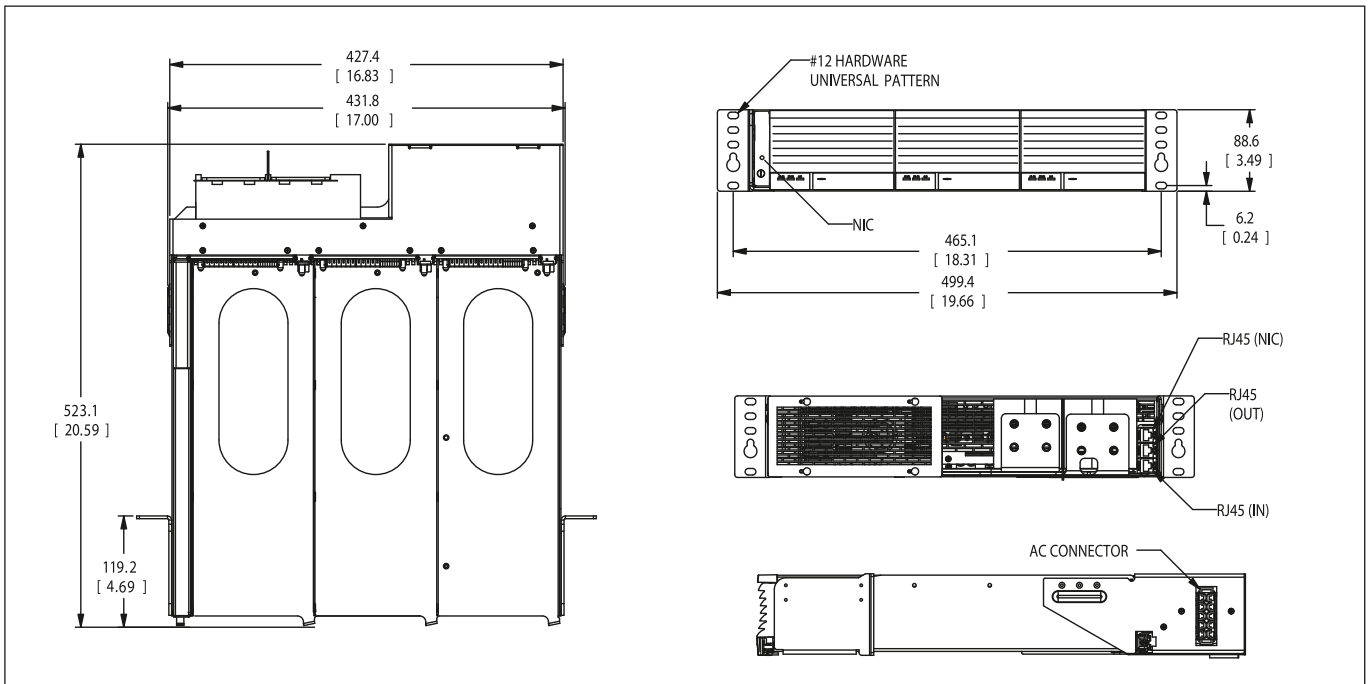
**Model Selector**

Model	Output Voltage	Output Current	Maximum Power
TX375024	24V	150A	3600W
TX500048	48V	100A	4800W
TX7500W48	48V	150A	7200W
TXR3	19" Rack holds up to 3 TX Modules (Individual AC Feed)		
TXR3025	19" Rack with 3 Phase DELTA Input (not for use with TX 500W48)		
TXR3026	19" Rack with 3 Phase WYE Input		
TXRBP	Blanking panel for one module slot		

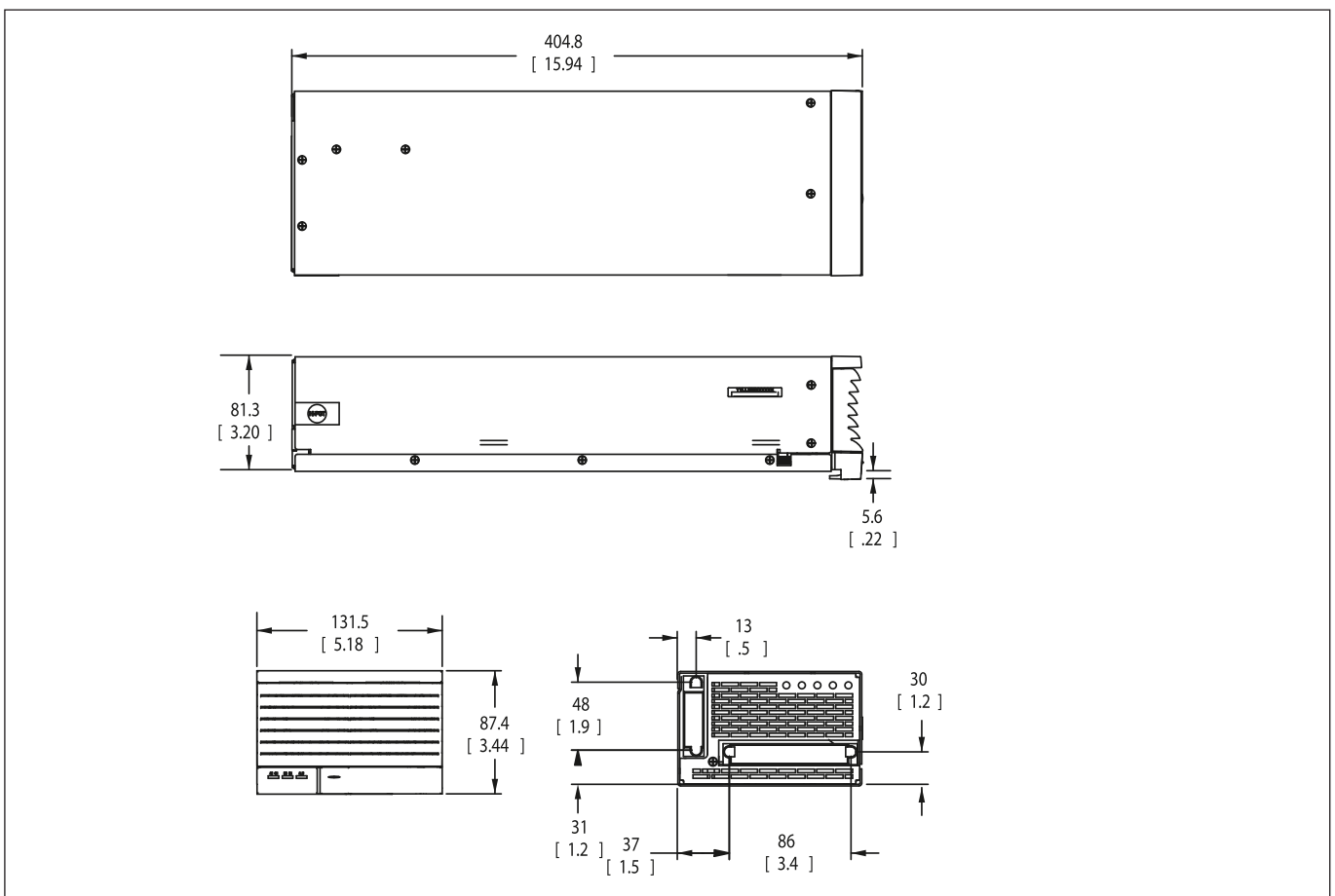
**Outline Drawing TX**



## Outline Drawing TX Rack



## Outline Drawing TX Module



**TDK-LAMBDA EMEA**

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