

# DC/DC Converters High Power



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## TSC 19" Series, 5kW–22kW

- = 19"-Subracks
  - = Robust mechanical Design for Industrial Applications
  - = Also with AC-Input 115/230 VAC or 400/480 VAC 3P available
  - = Standard Models with Output Voltages up to 800 VDC
  - = EMI complies with EN 55022, Class A
  - = Available with many Standard Options
- Line regulation:                   ±0.1% max.  
 Load regulation:               ±0.2% max.  
 Ripple & Noise:                 0.5% V<sub>mrs</sub>  
 Conducted EMI:                 EN 55022-A  
 Noise Immunity:                EN 50082  
 Short circuit protection:       continuous, automatic recovery  
 Overvoltage protection:       105% of V<sub>out</sub>  
 Efficiency:                        90% typ.  
 Operating temperature range:  -10°C ... +50°C  
 I/O isolation voltage:         2100 VDC (V<sub>in</sub> < 60 VDC)  
   3500 VDC (V<sub>in</sub> > 60 VDC & VAC input models)
- Safety standards:                IEC/EN 60950



Models			Dimensions			
Input voltage range	Output power	Output voltage range	Power [Watts]	Width [mm]	Depth [mm]	Height [mm]
		4.5 – 5.5 VDC				
		8 – 10 VDC				
		11 – 13 VDC				
		14 – 16 VDC				
	Models with 5kW – 22kW available	23 – 26 VDC				
10 – 16 VDC		26 – 30 VDC				
18 – 36 VDC		45 – 55 VDC				
36 – 75 VDC		58 – 68 VDC				
80 – 160 VDC		100 – 130 VDC				
160 – 320 VDC		200 – 250 VDC				
320 – 640 VDC		380 – 400 VDC				
450 – 800 VDC		570 – 600 VDC				
		760 – 800 VDC				

Power [Watts]	Width [mm]	Depth [mm]	Height [mm]
5/7.5/10	19"	600	178 (4U)
6/8/12	19"	360/460*	267/400 (6/9U)
22	19"	600	356 (8U)

\* depending on output current

- Options:
- Input voltage: 115/230 VAC, single phase or 200/400/480 VAC, three phase
  - Input polarity protection
  - Output decoupling diode for redundant / parallel operation
  - Active current sharing for parallel operation
  - Remote On/Off (inhibit)
  - Output programmable via analogue signal
  - Monitoring of input and output voltage
  - RS232 or IEEE488 interface
  - Wall mounting
  - Increased mechanical strength
  - Automatic/manual setting of output characteristic
  - Temperature compensated battery charging voltage
  - Digital Volt- and Ampere meter
  - Tropical protection