

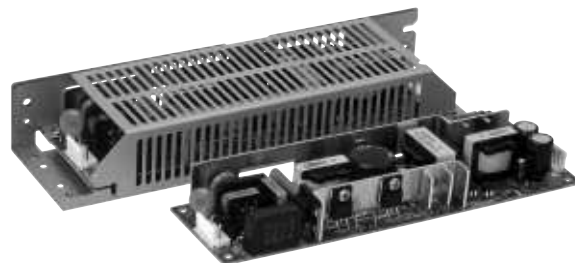
AC/DC Power Modules



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TOL Series, 10 – 300 Watt

- = Compact Open Frame Design
- = Optional with Chassis and Cover
- = Pin Connector Termination
- = Universal Input 85–264 VAC
- = Output Voltage adjustable
- = EMI meets EN 55022, Class B and FCC, Level B
- = Compliance to EN 61000-3-2 (PFHC)
- = Short Circuit and Overvoltage Protection
- = Highest Industrial Quality Standard



Input voltage range:	85–264 VAC, 50/60 Hz
Line regulation:	±0.5% max.
Load regulation:	±0.8% max.
Output voltage adjustment:	±10% of Vout nom. with potentiometer
Ripple & Noise:	5 VDC output models: <100 mVpk-pk (20 MHz BW) 12/24 VDC output models: <180 mVpk-pk (20 MHz BW) 48 VDC output models: <300 mVpk-pk (20 MHz BW)
EMI suppression:	EN 55011 class B, EN 55022, class B and FCC, level B, EN 61000-3-2
EMC immunity:	EN61000-6-1
Output current limitation:	at 105–140% of Inom. (except for F-models), constant current
Over voltage protection:	at 115–135% of Vout nom.
Efficiency:	75% typ.
Operating temperature:	–10°C ... +60°C above 50°C derating 2.5%/°C
Safety standards / approvals:	cUL/UL 60950, EN 60950
Connection:	Pin connector (screw terminal block for TOL 300 models)
Options:	– Chassis & cover kit (stainless steel) – Mating connectors with pre-wired flying leads of 500 mm length

Models			
Order code	Output power	Output voltage max.	Output current max.
TOL 10-05	10 Watt	5 VDC	2 A
TOL 10-12		12 VDC	0.9 A
TOL 10-24		24 VDC	0.5 A
TOL 15-05	15 Watt	5 VDC	3 A
TOL 15-12		12 VDC	1.3 A
TOL 15-24		24 VDC	0.7 A
TOL 30-05	30 Watt	5 VDC	6 A
TOL 30-12		12 VDC	2.5 A
TOL 30-24		24 VDC	1.3 A
TOL 50-05	50 Watt	5 VDC	10 A
TOL 50-12		12 VDC	4.3 A
TOL 50-24F		24 VDC	2.2 A (3.0 A)*
TOL 75-05	75 Watt	5 VDC	15 A
TOL 75-12		12 VDC	6.3 A
TOL 75-24F		24 VDC	3.2 A (4.5 A)*
TOL 100-05	100 Watt	5 VDC	20 A
TOL 100-12		12 VDC	8.5 A
TOL 100-24F		24 VDC	4.5 A (6.3 A)*
TOL 100-48	150 Watt	48 VDC	2.1 A
TOL 150-05		5 VDC	30 A
TOL 150-12		12 VDC	13 A
TOL 150-24F	300 Watt	24 VDC	6.5 A (9.1 A)*
TOL 150-48		48 VDC	3.3 A
TOL 300-12		12 VDC	27 A
TOL 300-24	300 Watt	24 VDC	14 A
TOL 300-48		48 VDC	6.3 A

* Peak current for max. 10 sec.

Dimensions						
Type	Length L1	Width B1	Height H1	Length L2	Width B2	Height H2
TOL 10	105 (4.13)	50 (1.97)	18 (0.71)	125 (4.92)	57 (2.24)	32 (1.26)
TOL 15	125 (4.92)	50 (1.97)	18 (0.71)	145 (4.92)	57 (2.24)	32 (1.26)
TOL 30	133 (5.24)	55 (2.17)	23 (0.91)	163 (6.42)	65 (2.56)	36 (1.42)
TOL 50	195 (7.68)	55 (2.17)	23 (0.91)	225 (8.86)	65 (2.56)	36 (1.42)
TOL 75	222 (8.74)	55 (2.17)	29 (1.14)	252 (9.92)	65 (2.56)	42 (1.65)
TOL 100	222 (8.74)	62 (2.44)	32 (1.26)	252 (9.92)	72 (2.83)	45 (1.77)
TOL 150	222 (8.74)	75 (2.95)	37 (1.46)	252 (9.92)	85 (3.35)	51 (2.00)
TOL 300	255 (10.04)	108 (4.25)	47 (1.85)	285 (11.22)	118 (4.65)	61 (2.40)

Accessories		
Mating connectors with pre-wired flying leads (500 mm)		Chassis / cover kit
TOL-C31	input cable for all models	TOL 10-MC for TOL 10 series
TOL-C41	TOL 10/15 output cable	TOL 15-MC for TOL 15 series
TOL-C42	TOL 30/50 output cable	TOL 30-MC for TOL 30 series
TOL-C61	TOL 75 output cable	TOL 50-MC for TOL 50 series
TOL-C62	TOL 150 output cable+	TOL 75-MC for TOL 75 series
TOL-C71	TOL 150 output cable–	TOL 100-MC for TOL 100 series
TOL-C81	TOL 100 output cable	TOL 150-MC for TOL 150 series
		TOL 300-MC for TOL 300 series

