Enclosed Power Supplies

TXM Series, 15–150 Watt

Features

- Very compact metal cased power supplies
- High operating temperature up to 70°C
- Low no load power consumption <0.5W up to 75 W units
- Screw terminal block
- No internal fan up to 150 W models
- Universal input AC input, full range
- Withstand 300 VAC surge input for 5 sec.
- Adjustable output voltage
- 3-year product warranty

The TRACOPOWER TXM series is a family of encased power supplies designed for a wide range of cost critical applications. With a low profile metal case and screw terminal block connection, they are easy to install in any equipment.
There are 40 models with single output voltages from 3.3 VDC to 48 VDC in 9 power ranges from 15 W to 150 W. These power supplies have universal input and comply with European EMC standards and the Low Voltage Directive (LVD).

Models with Single Output

Order Code	Output Power max.	Output Voltage		Output Current max.	Efficiency	
		nominal	adjustable		115 VAC	230 VAC
TXM 015-103	15 Watt	3.3 VDC	3.1-3.6 VDC	4.0 A	70 %	71 %
TXM 015-105		5 VDC	4.7-5.5 VDC	3.0 A	76 %	78 %
TXM 015-112		12 VDC	11.4-13.2 VDC	1.3 A	80 %	82 %
TXM 015-115		15 VDC	14.2-16.5 VDC	1.0 A	82 %	83 %
TXM 015-124		24 VDC	22.8-26.4 VDC	0.7 A	84 %	85 %
TXM 025-103	25 Watt	3.3 VDC	3.1-3.6 VDC	5.0 A	70 %	71 %
TXM 025-105		5 VDC	4.7-5.5 VDC	5.0 A	76 %	78 %
TXM 025-112		12 VDC	11.4-13.2 VDC	2.1 A	80 %	82 %
TXM 025-115		15 VDC	14.2-16.5 VDC	1.6 A	82 %	83 %
TXM 025-124		24 VDC	22.8-26.4 VDC	1.1 A	84 %	85 %
TXM 035-105	35 Watt	5 VDC	4.7-5.5 VDC	6.0 A	79 %	80 %
TXM 035-112		12 VDC	11.4-13.2 VDC	3.0 A	83 %	84 %
TXM 035-115		15 VDC	14.2-16.5 VDC	2.4 A	85 %	86 %
TXM 035-124		24 VDC	22.8-26.4 VDC	1.5 A	86 %	87 %
TXM 035-148		48 VDC	45.6-52.8 VDC	0.75 A	87 %	88 %
TXM 050-105	50 / 60 Watt	5 VDC	4.7-5.5 VDC	8.0 A	79 %	80 %
TXM 050-112		12 VDC	11.4-13.2 VDC	4.2 A	84 %	85 %
TXM 050-115		15 VDC	14.2-16.5 VDC	3.4 A	85 %	86 %
TXM 050-124		24 VDC	22.8-26.4 VDC	2.2 A	87 %	88 %
TXM 050-148		48 VDC	45.6-52.8 VDC	1.1 A	88 %	89 %

Models with Single Output

Order Code	Output Power max.	Output Voltage nom.		Output Current max.		Efficiency	
		nominal	adjustable	115 VAC	230 VAC	115 VAC	230 VAC
TXM 075-105	**60 / 75 Watt**	5 VDC	4.7-5.5 VDC	12.0 A		79 %	80 %
TXM 075-112		12 VDC	11.4-13.2 VDC	6.0 A		84 %	85 %
TXM 075-115		15 VDC	14.2-16.5 VDC	5.0 A		85 %	86 %
TXM 075-124		24 VDC	22.8-26.4 VDC	3.2 A		86 %	88 %
TXM 075-148		48 VDC	45.6-52.8 VDC	1.6 A		88 %	89 %
TXM 100-105	**100 Watt**	5 VDC	3.3-5.5 VDC	20.0 A			84 %
TXM 100-112		12 VDC	10.0-15.0 VDC	8.5 A		86 %	88 %
TXM 100-115		15 VDC	13.5-17.0 VDC	7.0 A		86 %	88 %
TXM 100-124		24 VDC	21.0-27.0 VDC	4.5 A		86 %	88 %
TXM 100-148		48 VDC	43.2-52.8 VDC	2.2 A		86 %	88 %
TXM 150-112	**150 Watt**	12 VDC	10.8-13.2 VDC	12.5 A			86 %
TXM 150-115		15 VDC	13.5-16.5 VDC	10.0 A			87 %
TXM 150-124		24 VDC	21.6-26.4 VDC	6.3 A			87 %
TXM 150-148		48 VDC	43.2-52.8 VDC	3.2 A			88 %

* Total power must not exceed specified max. output power

Input Specifications

Input voltage range	– nominal	100 – 240 VAC
	– AC range (universal input)	90 – 264 VAC
	– DC range	127 – 370 VDC
Input voltage frequency		47 – 63 Hz
Input current at full load	TXM 015/025 models:	0.70 A max.
	TXM 035 models:	1.00 A max.
	TXM 050 models:	1.50 A max.
	TXM 075 models:	2.50 A max.
	TXM 100 models:	1.70 A max.
	TXM 150 models:	2.00 A max.
Recommended circuit breaker (characteristic C) or slow blow fuse	up to 75 Watt models:	5 A
	up to 320 Watt models:	10 A

Output Specifications

Regulation	– Input variation		0.5 % max.
	– Load variation (10–100%)	TXM 015, 025, 075:	2 % max.
		all other models:	1 % max.
	– Minimum load:		no minimum load required
Ripple and noise (20 MHz bandwidth)			< 1.0 % of Vout nom. typ.
Output current limitation		TXM 015:	110 % – 180 % of Iout max.
		all other models:	105 % – 150 % of Iout max.
Overload protection mode			Hiccup / constant power, automatic recovery
Over voltage protection (only output 1)			105 % – 150 % of Vout nom. (depending on model)