

# KWM Series 15/18 Watt Switching Adapter



Low Cost  
 Universal Input Voltage Range  
 High Efficiency  
 Build in EMI Filter  
 Low Ripple and noise  
 105 °C Output Capacitors



Model	Output Voltage	Output Current	Ripple & Noise	Voltage Accuracy	Line/load Regulation
KWM020-1505	5 V	3,00A	80 mV p/p max.	+/- 5%	+/- 5%
KWM020-1509	9 V	1,70A	90 mV p/p max.	+/- 5%	+/- 5%
KWM020-1812	12 V	1,50A	120 mV p/p max.	+/- 5%	+/- 3%
KWM020-1815	15 V	1,20A	150 mV p/p max.	+/- 3%	+/- 3%
KWM020-1818	18 V	1,00A	180 mV p/p max.	+/- 3%	+/- 3%
KWM020-1824	24 V	0,75A	200 mV p/p max.	+/- 2%	+/- 5%
KWM020-1848	48 V	0,38A	400 mV p/p max.	+/- 1,5%	+/-1,5%

## GENERAL SPECIFICATIONS

Input	AC voltage range	90 ~ 264 VAC
	Input current	Typ. 0,5/115 - 0,3/230VAC
	Inrush current	30 A typ. at 115 VAC 60 A typ. at 230 VAC, Cold start
	Frequency range	47 ~ 63 Hz
Output	DC voltage	See table (other voltage upon request)
	Current	See table
	Ripple and noise	See table
	Load regulation	See table
	Line regulation	± 1% max
	Overload protection	110-150% I nom
	Short circuit protection	Permanent / auto restart
	Over voltage protection	105 ~ 145 % V nom
	Set-up time	800ms / 115 VAC - 300ms / 230 VAC
	Rising time	50ms
Environment	Hold up time	20ms / 115 VAC - 80ms / 230 VAC
	Operating temperature	0 ~ +40 °C
	Storage temperature	-25 ~ + 70 °C
Safety	Humidity	5 ~ 95 % RH non condensing
	Safety standard	UL 1950, CAN/CSA 22.2, TUV EN60950,CE APPROVED.
	Withstand voltage	I/O 3KVAC / 10mA 1 Min
	EMI	EN55022,EN61000-3-2,EN61000-3-3,EN50082-1 (EN61000-4-2/EN61000-4-3/

## MECHANICAL SPECIFICATIONS

Dimensions	74 x 50 x 41 mm
Weight	162 grams
Input connector	Multinational input plug available
Output connector	Any kind of available standard connector



**TPI Electronic Co., Ltd**

552/4 Moo 10, 304 Industrial Park  
 Thatoom Subdistrict, Srimahaphot District  
 Prachinburi Province - 25140 THAILAND  
 Tel: 663 741 4214 - Fax: 663 741 4217  
 www.tpi-electronic.com sales@tpi-electronic.com