



### Features

- ◆ Ultra compact, low profile plastic casing
- ◆ Fully encapsulated (pollution/dust)
- ◆ Single-, dual- and triple output models
- ◆ 2 standard package versions:
  - Screw terminal block for chassis mount
  - Solder pins for direct PCB mount
  - Optional pin-connector on request
- ◆ DIN-rail mount adaptor (optional)
- ◆ Universal input 85-264 VAC, 47-440 Hz
- ◆ Protection class II
- ◆ IEC/EN/UL 60950-1 approval, CB-report
- ◆ Over-temperature protection
- ◆ Protection against short circuit and overload
- ◆ 3-year product warranty



The TMP & TMPM series AC/DC Power Modules is a new range of fully encapsulated power supplies in an ultra-compact casing. They feature easy chassis mounting with screw terminal block connection or direct PCB mounting with solder pins. Full compliance with International safety standards for industrial control equipment qualifies the products for worldwide markets. These power supplies offer a cost effective solution for many space critical applications in commercial and industrial electronic equipment and for polluted and dusty environment.

### Single Output Models 4 to 10 Watt

Order code		Output power max.	Output	Efficiency typ.
PCB-mount with solder pins				
	TMPM 04103	4 W	3.3 VDC / 1200 mA	70 %
	TMPM 04105		5.0 VDC / 800 mA	72 %
	TMPM 04109		9.0 VDC / 444 mA	75 %
	TMPM 04112		12 VDC / 333 mA	76 %
	TMPM 04115		15 VDC / 267 mA	76 %
	TMPM 04124		24 VDC / 167 mA	77 %
	TMP 07103	4.6 W	3.3 VDC / 1400 mA	70 %
	TMP 07105	7 W	5.0 VDC / 1400 mA	73 %
	TMP 07112		12 VDC / 583 mA	78 %
	TMP 07115		15 VDC / 466 mA	78 %
	TMP 07124		24 VDC / 291 mA	78 %
Small footprint	TMPM 10103		8.3 W	3.3 VDC / 2500 mA
	TMPM 10105	10 W	5.0 VDC / 2000 mA	72 %
	TMPM 10112		12 VDC / 833 mA	76 %
	TMPM 10115		15 VDC / 667 mA	75 %
	TMPM 10124		24 VDC / 417 mA	72 %
Low profile	TMP 10103		6.6 W	3.3 VDC / 2000 mA
	TMP 10105	10 W	5.0 VDC / 2000 mA	73 %
	TMP 10112		12 VDC / 833 mA	76 %
	TMP 10115		15 VDC / 666 mA	76 %
	TMP 10124		24 VDC / 416 mA	76 %

15 to 60 Watt and multi output models see next page -->

**Single Output Models 15 to 60 Watt**

Order code		Output power max.	Output	Efficiency typ.
PCB-mount with solder pins	Chassis mount, screw terminal			
TMP 15105	TMP 15105C	15 W	5 VDC / 3000 mA	75 %
TMP 15112	TMP 15112C		12 VDC / 1250 mA	79 %
TMP 15115	TMP 15115C		15 VDC / 1000 mA	79 %
TMP 15124	TMP 15124C		24 VDC / 625 mA	79 %
TMP 15148	TMP 15148C		48 VDC / 310 mA	79 %
TMP 30105	TMP 30105C	30 W	5 VDC / 6000 mA	78 %
TMP 30112	TMP 30112C		12 VDC / 2500 mA	80 %
TMP 30115	TMP 30115C		15 VDC / 2000 mA	80 %
TMP 30124	TMP 30124C		24 VDC / 1250 mA	80 %
TMP 30148	TMP 30148C		48 VDC / 625 mA	80 %
TMP 60105	TMP 60105C	60 W	5.1 VDC / 10'000 mA	79 %
TMP 60112	TMP 60112C		12 VDC / 5000 mA	82 %
TMP 60115	TMP 60115C		15 VDC / 4000 mA	83 %
TMP 60124	TMP 60124C		24 VDC / 2500 mA	84 %
TMP 60136	TMP 60136C		36 VDC / 1665 mA	84 %
TMP 60148	TMP 60148C		48 VDC / 1250 mA	84 %

**Multi Output Models 4 to 30 Watt**

Order code		Output power	Output 1	Output 2	Output 3	Eff. typ.
PCB-mount	Chassis mount					
<b>Models with common ground</b>						
TMPM 04212		4 W	+12 VDC / 166 mA	-12 VDC / 166 mA		77 %
TMPM 04215			+15 VDC / 133 mA	-15 VDC / 133 mA		77 %
TMPM 04253			+5.0 VDC / 600 mA	+3.3 VDC / 150 mA		72 %
TMPM 04225			+12 VDC / 250 mA	+5.0 VDC / 120 mA		75 %
TMP 10212		10 W	+12 VDC / 380 mA	-12 VDC / 380 mA		77 %
TMP 10215			+15 VDC / 300 mA	-15 VDC / 300 mA		77 %
TMP 15212	TMP 15212C	15 W	+12 VDC / 650 mA	-12 VDC / 650 mA		79 %
TMP 15215	TMP 15215C		+15 VDC / 500 mA	-15 VDC / 500 mA		79 %
TMP 30212	TMP 30212C	30 W	+12 VDC / 1300 mA	-12 VDC / 1300 mA		80 %
TMP 30215	TMP 30215C		+15 VDC / 1000 mA	-15 VDC / 1000 mA		80 %
TMP 15252	TMP 15252C		5.0 VDC / 1500 mA	12 VDC / 625 mA		72 %
TMP 15512	TMP 15512C	15 W	5.0 VDC / 2000 mA	+12 VDC / 200 mA	-12 VDC / 200 mA	74 %
TMP 15515	TMP 15515C		5.0 VDC / 2000 mA	+15 VDC / 150 mA	-15 VDC / 150 mA	74 %
<b>Models with output 1 isolated from output 2/3 (floating)</b>						
TMP 30252	TMP 30252C	30 W	5.0 VDC / 3000 mA <sup>2)</sup>	12 VDC / 1250 mA <sup>2)</sup>		76 %
TMP 30512	TMP 30512C		5.0 VDC / 3000 mA <sup>2)</sup>	+12 VDC / 600 mA <sup>2)</sup>	-12 VDC / 600 mA <sup>2)</sup>	76 %
TMP 30515	TMP 30515C		5.0 VDC / 3000 mA <sup>2)</sup>	+15 VDC / 500 mA <sup>2)</sup>	-15 VDC / 500 mA <sup>2)</sup>	76 %
TMP 30522	TMP 30522C		5.0 VDC / 3000 mA <sup>2)</sup>	+12 VDC / 1000 mA <sup>2)</sup>	-12 VDC / 250 mA <sup>3)</sup>	76 %
TMP 30316	TMP 30316C		3.3 VDC / 4000 mA <sup>1)</sup>	+5.0 VDC / 1500 mA <sup>1)</sup>	+12 VDC / 250 mA <sup>3)</sup>	71 %
TMP 30317	TMP 30317C		5.0 VDC / 4500 mA <sup>1)</sup>	+3.3 VDC / 1000 mA <sup>2)</sup>	+12 VDC / 250 mA <sup>3)</sup>	71 %

Peak current can exceed specified value by <sup>1)</sup> 133 % but total output power must not exceed 30 W.

<sup>2)</sup> 150 %

<sup>3)</sup> 200 %