



Features

- ◆ Ultra compact, fully encapsulated plastic case
- ◆ Single-, dual- and triple output models
- ◆ 2 package styles:
 - with screw terminal block for chassis mount
 - with solder pins for PCB mount
- ◆ DIN-rail mount adaptor (option)
- ◆ Universal Input 85-264VAC, 50/60Hz
- ◆ Protection class II
- ◆ Approved to IEC/UL 60950-1 safety standard
- ◆ UL 508 listed (chassis mount version)
- ◆ EMI according to EN 55022, class B and FCC level B
- ◆ Short circuit and overload protection
- ◆ Lead-free design – RoHS compliant
- ◆ 3-year product warranty



The TMT series power modules are AC/DC power supplies in compact fully encapsulated module. They feature easy installation with screw terminals and optional DIN-rail mounting adaptor or direct PCB mounting with solder pins. Compliance with international safety standards including UL 508 listing qualify these products for worldwide markets.

These AC/DC modules offer an interesting power supply solution for many space critical applications in commercial and industrial electronic equipment.

The series is approved to medical standard IEC60601-1 ed.3.0. A re-approval to IEC60601-1 ed.3.1 is not scheduled.

Single Output Models

Order Code		Output Power max.	Output 1
PCB-Mount with Solder Pins	Chassis Mount with Screw Terminal Block		
TMT 10105 TMT 10112 TMT 10115 TMT 10124		10 Watt	5 VDC/2000 mA 12 VDC/840 mA 15 VDC/670 mA 24 VDC/420 mA
TMT 15105 TMT 15112 TMT 15115 TMT 15124	TMT 15105C TMT 15112C TMT 15115C TMT 15124C		5 VDC/3000 mA 12 VDC/1250 mA 15 VDC/1000 mA 24 VDC/625 mA
TMT 30105 TMT 30112 TMT 30115 TMT 30124	TMT 30105C TMT 30112C TMT 30115C TMT 30124C	30 Watt	5 VDC/6000 mA 12 VDC/2500 mA 15 VDC/2000 mA 24 VDC/1250 mA
TMT 50105 TMT 50112 TMT 50115 TMT 50124 TMT 50148	TMT 50105C TMT 50112C TMT 50115C TMT 50124C TMT 50148C		5 VDC/9000 mA 12 VDC/4200 mA 15 VDC/3400 mA 24 VDC/2300 mA 48 VDC/1150 mA

Dual- and Triple Output Models

Order Code		Output Power max.	Output 1	Output 2	Output 3
PCB-Mount with Solder Pins	Chassis Mount with Screw Terminal Block				
TMT 15212	TMT 15212C	15 Watt	+12 VDC/625 mA	-12 VDC/625 mA	
TMT 15215	TMT 15215C		+15 VDC/500 mA	-15 VDC/500 mA	
TMT 30212	TMT 30212C	30 Watt	+12 VDC/1250 mA	-12 VDC/1250 mA	
TMT 30215	TMT 30215C		+15 VDC/1000 mA	-15 VDC/1000 mA	
TMT 30252	TMT 30252C*		+5 VDC/3000 mA ¹⁾	+12 VDC/1200 mA ⁴⁾	
TMT 30522	TMT 30522C*		+5 VDC/3000 mA ¹⁾	+12 VDC/1000 mA ⁵⁾	-12 VDC/250 mA ⁷⁾
TMT 30515	TMT 30515C*		+5 VDC/3000 mA ¹⁾	+15 VDC/500 mA	-15 VDC/500 mA
TMT 30503			+3.3 VDC/6000 mA ²⁾	+5 VDC/1500 mA ⁵⁾	+12 VDC/250 mA ⁷⁾
TMT 30505			+5 VDC/5000 mA ³⁾	+3.3 VDC/1000 mA ⁶⁾	+12 VDC/250 mA ⁷⁾

* EOL announcement May 2016
www.tracopower.com/overview/tmt-c

¹⁾ 4500 mA

²⁾ 7500 mA

³⁾ 6000 mA

⁴⁾ 1800 mA

⁵⁾ 2000 mA

⁶⁾ 1500 mA

⁷⁾ 500 mA

Peak current <30 sec., 10 % duty cycle max, total load not to exceed 30 Watt.

Input Specifications

Input voltage	– nominal – range	115 / 230 VAC 85 – 264 VAC 85 – 370 VDC below 110 VDC: 1.2%/V output power derating
Input frequency		47 – 63 Hz
Input current full load		115 VAC / 230 VAC 10 watt models: 210 mA / 140 mA typ. 15 watt models: 280 mA / 180 mA typ. 30 watt models: 570 mA / 360 mA typ. 50 watt models: 870 mA / 540 mA typ.
Inrush current		115 VAC / 230 VAC 24 A / 36 A
External input fuse required (recommended values)		10–15 watt models: 1.0 A slow blow 30 watt models: 2.0 A slow blow 50 watt models: 3.15 A slow blow

Output Specifications

Voltage set accuracy		±2 %
Regulation	– Input variation – Load variation	20 mV max.
	single output models (0–100%):	50 mV max.
	dual and triple output models (min. load 10%):	500 mV max.
Ripple and noise (20MHz bandwidth)		150 mVpk-pk max.
Overload protection by current limit		>105 % I _{nom} (long term overload condition may cause damage)
Capacitive load		10'000 µF max.
Rise time		200 ms typ.
Hold-up time		115 VAC / 230 VAC 15/50 watt models: 25 ms / 130 ms min. other models: 17 ms / 93 ms min.