

TR60M Series

30-60 WATTS SINGLE OUTPUT AC/DC MEDICAL - PRELIMINARY

Features

- Wide input voltage 90VAC to 264VAC, 50/60Hz.
- Continuous short circuit protection.
- Over voltage protection.
- Output voltage available from 5VDC to 24VDC.
- High efficiency 85% typical.
- Meets EN55022 Class "B".



Specifications

INPUT

Voltage Range	90 to 264VAC
Frequency	47Hz to 63Hz
Inrush current	50A max @ 264VAC.
Isolation	Input to output 5,656VDC.
Leakage Current	0.1mA max.

OUTPUT

Output Voltage	Factory preset, see table (not adjustable)
Voltage Set-Point	+/-2% to +/-4% (60% load)
Ripple and Noise	1% p-p max
Short Circuit Protection	Continuous (Auto recovery)
Over Voltage Protection	Yes. (option)
Hold-up Time	8ms typ @ 115Vac
Load Regulation	+/-2 to +/-6% (20% to 100% load)
Line Regulation	+/-1% max at full load

ENVIRONMENTAL

Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +85°C

STANDARDS AND APPROVALS

Safety standards	EN60601-1 (TBC)
C-Tick	AS/NZS CISPR11 Group 1, Class A (TBC)
EMI standards	CISPR/FCC Class B (TBC)
MEPS compliance	TBC

MECHANICAL

Dimensions	132x58x30.5mm
Weight	288g
AC Inlet	IEC320/C8.
Output Connector	Right angle, hollow coaxial plug, 2.5mm inside diameter; 5.5mm outside diameter; 9.5mm length Center positive polarity.
DC Cord Length	720mm with ferrite core 18AWG/UL1185.

Selection Table

MODEL NUMBER	RATED Vnom	OUTPUT CURRENT	MAX POWER
TR60M05-21A11	5Vdc	6.0A	30W
TR60M12-21A11	12Vdc	5.0A	60W
TR60M15-21A11	15Vdc	4.0A	60W
TR60M18-21A11	18Vdc	3.3A	60W
TR60M24-21A11	24Vdc	2.5A	60W

Technical Illustration

