

# TRG100A Series

100 WATTS SINGLE OUTPUT AC/DC GENERAL

## Features

- Wide input voltage 90VAC to 264VAC, 47/63Hz
- Continuous short circuit protection
- Output voltage available from 12VDC to 48VDC
- High efficiency 85% typical
- Meets EN55022 Class "B", conducted emissions
- MEPS compliance (Efficiency Mark IV)
- ROHS compliance
- Active PFC function



## Specifications

### INPUT

Voltage range	90 to 264Vac
Frequency	47Hz to 63Hz
Inrush current	120A max @ 264Vac
Isolation	Input to Output 4,242Vdc
Leakage current	3.5mA max.

### OUTPUT

Output voltage	Factory preset, see table (not adjustable)
Voltage set-point	60% full load
Ripple and noise	2% p-p max
Short circuit protection	Continuous (Auto recovery)
Over voltage protection	Yes
Hold-up time	20ms typ @ 115Vac
Load regulation	+/-2 to +/-4% (20% to 100% load) Model dependent
Line regulation	+/-1% max 100Vac to 240Vac at full load

### ENVIRONMENTAL

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

## STANDARDS AND APPROVALS

Safety standards	Queensland Electrical Safety Office Certificate of approval Qld Q090032, AS/NZS 609050.1:2003, EN60950
C-tick	AS/NZS CISPR 11:2002 Group 1
EMI standards	Meets EN55022 Class B and CISPR/FCC Class B
RCM	Complies with AS/NZS 4417 Parts 1,2,3 N911

## MECHANICAL

Dimensions	150 X 70 X 35mm
Weight	600g
AC Inlet	IEC320/C14
Output connector	Right angle, hollow barrel connector, 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

Consult Powerbox for variation of output connector and DC cord length

MODEL NUMBER	RATED V <sub>nom</sub>	OUTPUT CURRENT	MAX POWER
TRG100A120- 21E11	12Vdc	8.34A	100W
TRG100A150- 21E11	15Vdc	6.67A	100W
TRG100A240- 21E11	24Vdc	4.17A	100W
TRG100A480- 21E11	48Vdc	2.08A	100W

## Technical Illustration

